

DOCUMENT RESUME

ED 146 451

CE 013 832

AUTHOR Munger, Sara J.; And Others
TITLE Job Counseling and Placement for the Use of Basic Skills. Volume 2: Jobs.
INSTITUTION Synectics Corp., Allison Park, Pa.
SPONS AGENCY Employment and Training Administration (DOL), Washington, D.C.
PUB DATE Jul 77
CONTRACT DL-20-42-74-19
NOTE 400p.; For a related document see CE 013 831

EDRS PRICE MF-\$0.83 HC-\$20.75 Plus Postage.
DESCRIPTORS Basic Skills; Classification; Employment Opportunities; *Employment Qualifications; Guides; Indexes (Locaters); *Job Skills; *Mentally Handicapped; *Occupational Information; Occupations

ABSTRACT

Primary intended users of this second volume of a two-volume handbook are professional counselors and placement officers involved in expanding the range of jobs available to persons having only basic cognitive skills (e.g., mentally retarded, slow learners, learning disabled). Summary job requirements information is presented for more than 8,000 occupations selected from the more than 14,000 occupations listed in the third edition of the "Dictionary of Occupational Titles" (DOT). The information is intended to support the counseling and placement actions suggested in volume 1. Each of the occupations included has been judged by analysts to have requirements not in excess of an eighth grade level of educational development. Each occupation has also been judged for the purpose of determining the level of mental processing required on inputs from sensory modes--sight, audition, touch/kinesthesia, taste, and smell. None are expected to require more than one year of specific vocational preparation. Many included have far less rigorous demands than these. Content is structured on the basis of DOT classification. Nine major occupational categories are included: (1) professional, technical, and managerial occupations, (2) clerical and sales, (3) service, (4) farming, fishing, forestry, and related, (5) processing, (6) machine trades, (7) bench work, (8) structural work, and (9) miscellaneous. (JT)

* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *

ED146451

JOB COUNSELING AND PLACEMENT FOR THE USE OF BASIC SKILLS

Volume 2: JOBS

U.S. DEPARTMENT OF HEALTH
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY.

Sara J. Munger

Earl L. Seiler

James W. Altman

CE 013 832

JULY 1977

TABLE OF CONTENTS

INTRODUCTION	3
CONTEXT AND CONTENT OF VOLUME 2	3
OCCUPATIONAL TITLES AND DATA	4
OCCUPATIONAL AREA DESCRIPTIONS	12
OCCUPATIONAL AREAS--DESCRIPTIONS AND INDIVIDUAL OCCUPATIONAL TITLES	19
(0.-1.) PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS	19
(2.) CLERICAL AND SALES OCCUPATIONS	25
Stenography, Typing, Filing, and Related (201 -206 &208 -209)	25
Duplicating Machine Work (207)	29
Computing and Account Recording (210 -219)	30
Material and Production Recording (221 -229)	35
Information and Message Distribution (230 -239)	42
Miscellaneous Clerical Work (240 -249)	45
Saleswork, Services and Commodities (250 -289)	48
Miscellaneous Merchandising Work (290 -299)	53
(3.) SERVICE OCCUPATIONS	59
Domestic Services (301 -309)	59
Food and Beverage Preparation and Service (310 -319)	61
Lodging and Related Service (323 -329)	64
Barbering, Cosmetology, and Related Services (330 -339)	66
Amusement and Recreation Services (340 -349)	68
Miscellaneous Personal Services (350 -353 &357 -359)	71
Practical Nursing, Attendant Work, and Related Work (354 -355)	74
Animal Care (356)	76
Apparel and Furnishings Services (361 -369)	78
Protective Services (371 -379)	83
Building and Related Services (381 -389)	86
(4.) FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS	91
Plant Farming (401 -409)	91
Animal Farming (411 -419)	95
Miscellaneous Farming and Related Work (421 -429)	98
Fishery and Related Work (431 -439)	100
Forestry and Related Work (441 -452)	103
Agricultural Services (461 -469)	105
(5.) PROCESSING OCCUPATIONS	109
Metal Processing (500 -509)	109
Ore Refining and Foundry Work (510 -519)	115
Processing of Food and Related Products (520 -529)	122
Processing of Paper and Related Materials (530 -539)	140
Processing of Petroleum and Related Products (540 -549)	144
Processing of Chemicals and Related Products (550 -559)	148
Processing of Wood and Wood Products (560 -569)	167
Processing of Nonmetallic Minerals (570 -579)	170
Processing of Textiles and Leather (580 -589)	178
Processing Work Not Elsewhere Classified (590 -599)	190

TABLE OF CONTENTS (Continued)

(6.) MACHINE TRADES OCCUPATIONS	197
Metal Machining (600 -609)	197
Metal Working Not Elsewhere Classified (610 -619)	204
Mechanical Repairing (620 -639)	213
Paperworking (640 -649)	219
Printing (650 -659)	224
Wood Machining (662 -669)	229
Machining of Non-Metallic Minerals (670 -679)	237
Textile Machine Work (680 -689)	241
Machine Work Not Elsewhere Classified (690 -699)	250
(7.) BENCH WORK OCCUPATIONS	263
Fabrication and Repair of Metal Products (700 -709)	263
Assembly and Repair of Scientific Apparatus (710 -719)	270
Assembly and Repair of Electrical Equipment (720 -729)	280
Assembly and Repair of Assorted Products (730 -739)	289
Painting, Decorating, and Related Work (740 -749)	302
Assembly and Repair of Plastic/Rubber Goods (750 -759)	305
Fabrication and Repair of Wood Products (760 -769)	311
Fabrication and Repair of Sand/Glass Goods (770 -779)	317
Fabrication and Repair of Textile (780 -785 & 788 -789)	322
Machine Sewing of Garments and Nongarments (786 -787)	334
Bench Work Not Elsewhere Classified (790 -799)	339
(8.) STRUCTURAL WORK OCCUPATIONS	345
Metal Fabricating Not Elsewhere Classified (800 -809)	345
Welding, Flame Cutting, and Related Work (810 -819)	351
Electrical Assembling, Installing, Repairing (820 -829)	354
Painting, Plastering, Cementing, and Related Work (840 -849)	358
Excavating, Grading, Paving, and Related Work (850 -859)	361
Construction Work Not Elsewhere Classified (860 -869)	366
Structural Work Not Elsewhere Classified (891 -899)	372
(9.) MISCELLANEOUS OCCUPATIONS	377
Motor Freight Transportation (900 -909)	377
Transportation Work Not Elsewhere Classified (910 -919)	380
Packaging and Materials Handling (920 -929)	386
Extraction of Minerals (930 -939)	394
Logging (940 -949)	398
Production and Distribution of Utilities (950 -959)	401
Amusement, Recreation, and Motion Picture Work (961 -969)	405
Graphic Art Work (970 -979)	408

LIST OF FIGURES

Figure 1.	Major DOT Occupational Categories	4
Figure 2.	Demonstration of the Structure of the First Three Digits of the DOT Code.	4
Figure 3.	DOT Worker Function Codes	5
Figure 4.	Example of a Series of Complete DOT Codes and Occupational Titles	5
Figure 5.	Volume 2 Format of Summary Job Requirements Information	6
Figure 6.	Volume 2 Cognitive Requirements Structure	9
Figure 7.	Codes for Specific Vocational Preparation (SVP).	11
Figure 8.	Codes for Physical Demands	11
Figure 9.	Codes for Working Conditions	12
Figure 10.	Occupational Areas X Profiles of Cognitive and Extra-cognitive Demands.	14

INTRODUCTION

INTRODUCTION

CONTEXT AND CONTENT OF VOLUME 2

Volume 2 provides summary job requirements information for more than eight thousand occupations selected from the more than fourteen thousand occupations listed in the *Third Edition of the Dictionary of Occupational Titles (DOT)*.^{1,2} This information is intended to support the counseling and placement actions suggested in Volume 1.

Each of the occupations included has been judged by analysts of the North Carolina State University³ to have requirements not in excess of an eighth grade level of educational development. That is, none of the occupations presented should impose requirements for reasoning development beyond an ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagrammatic form, nor beyond an ability to deal with problems involving concrete variables in or from standardized situations. Each occupation has also been judged by analysts for the purpose of determining the level of mental processing required on inputs from sensory modes--sight, audition, touch/kinesthesia, taste, and smell.⁴ Additionally, each occupation included has been judged by personnel of the U. S. Department of Labor to require no more than one year of specific vocational preparation. Many of the occupations listed make far less rigorous demands than these.

The content of this volume is structured on the basis of the occupational classifications employed in the DOT. Nine major Occupational Categories are included, as shown in Figure 1.

¹ United States Department of Labor, Employment and Training Administration (formerly Manpower Administration), Bureau of Employment Security. *Dictionary of occupational titles, definitions of titles*. (Volume I, Third Edition.) Washington, D. C.: U. S. Government Printing Office (GPO#0-520-145), 1965.

² United States Department of Labor, Employment and Training Administration (formerly Manpower Administration), Bureau of Employment Security. *Dictionary of occupational titles, occupational classification and industry index*. (Volume II, Third Edition.) Washington, D. C.: U. S. Government Printing Office (GPO#0-690-377), 1965a.

³ Cunningham, J. W., Slonaker, D. F., Heath, W. D., III & Hamer, R. M. *Estimated requirements of occupations: Educational development, specific vocational preparation, physical demands, and working conditions*. Raleigh: North Carolina State University, 1974.

⁴ These analyses were performed by members of the project staff of Synectics Corporation. Occupations requiring the manipulation of sensory-derived information for significant comparison or discrimination of information were judged to have a significant perceptual processing requirement. Occupations without such a processing requirement, even though they required sensory input, were judged to have no significant perceptual processing requirement.

CODE	MAJOR OCCUPATIONAL CATEGORY
0-1	Professional, Technical, and Managerial Occupations
2	Clerical and Sales Occupations
3	Service Occupations
4	Farming, Fishing, Forestry, and Related Occupations
5	Processing Occupations
6	Machine Trades Occupations
7	Bench Work Occupations
8	Structural Work Occupations
9	Miscellaneous Occupations

Figure 1. Major DOT Occupational Categories

OCCUPATIONAL TITLES AND DATA

DOT CODES

In the DOT, occupations have been number-coded into a classification structure in which individual occupations are identified by a series of nine digits. The end result is that each unique occupation has a unique DOT code number. DOT codes are structured on the following basis:

- ✓ First three digits. The first three digits identify the occupational category, division, and group, in a hierarchical fashion. As shown in Figure 2, the first digit identifies the nine major occupational classifications previously identified. The first two digits identify a division of occupations within the major occupational category. The first three digits identify a subgroup of occupations within the two-digit divisional classification. The third digit of the code is followed by a period (.).

DOT CLASSIFICATION LEVEL	CODE	SPECIFIC CLASSIFICATION
Occupational Category	2	Clerical and Sales Occupations
Occupational Division	20	Stenography, typing, filing, and related occupations
Occupational Group	207	Duplicating machine work

Figure 2. Demonstration of the Structure of the First Three Digits of the DOT Code

- Second three digits. These digits characterize the worker functions associated with the occupational title. The first digit relates to functions associated with data; the second digit relates to functions associated with people; and the third digit relates to functions associated with things. Figure 3 provides the code definitions for the second three digits of the DOT code. The sixth digit is followed by a dash (-), as for example: 207.885-.

DATA (4th digit)	PEOPLE (5th digit)	THINGS (6th digit)
0 Synthesizing	0 Mentoring	0 Setting-Up
1 Coordinating	1 Negotiating	1 Precision Working
2 Analyzing	2 Instructing	2 Operating/Controlling
3 Compiling	3 Supervising	3 Driving/Operating
4 Computing	4 Diverting	4 Manipulating
5 Copying	5 Persuading	5 Tending
6 Comparing	6 Speaking/Signaling	6 Feeding/Offbearing
7 } No significant relationship	7 Serving	7 Handling
8 }	8 No significant relationship	8 No significant relationship

Figure 3. DOT Worker Function Codes

- Last three digits. The last three digits of the DOT code from a suffix code used to differentiate among occupational titles with the first same six digits. These codes normally start at 010 and progress in intervals of four to whatever level is required to uniquely identify the set of occupational titles, as shown in Figure 4.

COMPLETE DOT CODE	SPECIFIC OCCUPATIONAL TITLE ⁵
207.885-010	Duplicating machine operator
207.885-014	Photographic machine operator
207.885-018	Stencil-cutter operator

Figure 4. Example of a Series of Complete DOT Codes and Occupational Titles

⁵ Occupational titles presented in this volume have been revised in accordance with: Job Title Revisions to Eliminate Sex- and Age-Referent Language from the *Dictionary of Occupational Titles*, Third Edition. U. S. Department of Labor, 1975. (U. S. Government Printing Office 573-334 1975)

Within the remainder of this volume of the handbook, occupations are listed within this DOT occupational title structure. Detailed descriptions of occupations are presented in Volume I of the DOT. Additional information about the worker functions (also identified as the worker trait groups) is presented in Volume II of the DOT. Counselors and placement officers will find this information particularly useful in determining whether or not a specific job is appropriate for a given client.

ADDITIONAL JOB REQUIREMENTS INFORMATION

Each of the occupations listed in this volume is further classified on the basis of the following standard set of information:

- ✓ Cognitive Requirements
- ✓ Industry Designator
- ✓ Human Relations Requirements
- ✓ Reasoning Development Level
- ✓ Psychomotor Requirements
- ✓ Specific Vocational Preparation
- ✓ Physical Demands
- ✓ Working Conditions

The format for presentation of this information is shown in Figure 5. Each of these categories is described in the paragraphs which follow:

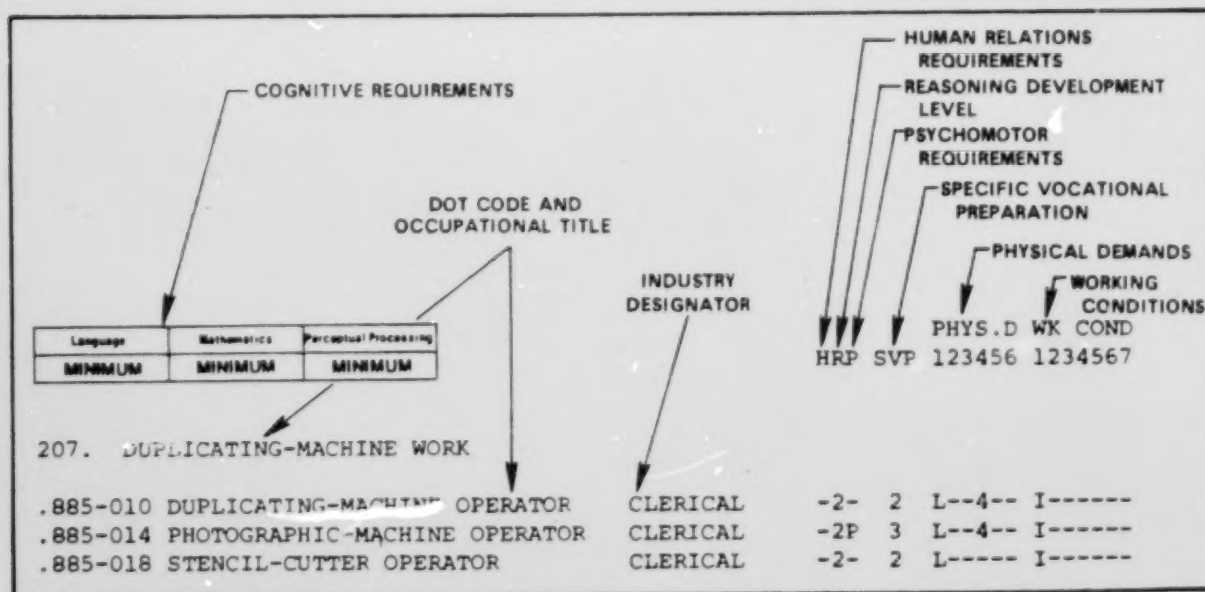


Figure 5. Volume 2 Format of Summary Job Requirements Information

✓ Cognitive Requirements. Three types of cognitive requirements are recognized at two levels, MINIMUM and MODERATE.

- Language requirements. A MINIMUM language requirement indicates that not more than reading, speaking, and printing simple sentences containing subject, verb, and object using present and past tenses is required. Most jobs with a MINIMUM language requirement do not make demands to the level described. Typical language requirements of these jobs are: learning job duties from oral instructions or from demonstration, and writing or copying identifying information such as the name of a customer.

A MODERATE language requirement indicates that not more than selective reading of textbooks and other materials to extract an essential theme or idea, composing reports with proper grammar and spelling, using proper format, and preparing neat papers is required. Occupations with MODERATE language demands impose comprehension and expression requirements of a level to: file, post, and mail such materials as checks, receipts, and bills; conduct interviews to obtain and record data for surveys or studies.

To determine specific language requirements of a given job, refer to that specific job description in Volume I of the DOT. For additional information about language capabilities and how to determine the extent of language capabilities clients possess, see pages 18 and 19 of Volume 1 of this handbook.

- Mathematics requirements. A MINIMUM mathematics requirement indicates that not more than counting, addition and subtraction of two-place numbers, and familiarity with standard units of measurement and with basic measuring equipment such as clocks, rulers, and scales is required. Most jobs with a MINIMUM mathematics requirement do not make demands to the level described. Typical mathematics requirements of these jobs are: reading and copying of figures; counting and recording; and simple addition and subtraction.

A MODERATE mathematics requirement indicates that not more than computing discounts, interest, percentage, surface areas, values, and weights and measures using the four basic arithmetic operations is required. Occupations with MODERATE mathematics demands most frequently require making calculations involving fractions, decimals, and percentages.

To determine specific mathematics requirements of a given job, refer to that specific job description in Volume I of the DOT. For additional information about mathematics capabilities and how to determine the extent of mathematics capabilities clients possess, see pages 19 through 21 of Volume 1 of this handbook.

- Perceptual processing requirements. A MINIMUM perceptual processing requirement indicates that the ability to detect sensory information may be required through one or a variety of sense modes, but the ability to manipulate that information to make comparisons or discriminations about those sensory inputs is not required to any significant extent. Examples of MINIMUM perceptual processing requirements are: detect and remove cracked eggs; interpret telephone signals such as "dial tone," "busy signal, or ringing" signal.

A MODERATE perceptual processing requirement indicates that in addition to the ability to detect sensory information, the ability to manipulate that information to make comparisons or discriminations is required to a significant extent. MODERATE perceptual processing requirements are indicated for such activities as: appraising the value of used cars; comprehending two-dimensional representations of three-dimensional objects; and tuning a musical instrument.

To determine specific perceptual processing requirements of a given job, refer to that specific job description in Volume I of the DOT. For additional information about perceptual processing capabilities and how to determine the extent of perceptual processing capabilities clients possess, see pages 21 and 22 of Volume 1 of this handbook.

The cognitive requirements of jobs have been used as a significant part of the job listing structure employed here. Within a given set of occupational groups, jobs are listed sequentially in the cognitive requirements structure shown in Figure 6.

- ✓ Industry Designator. The type of industry, business or work situation in which a particular occupation is found is provided for each occupational title listed. This is useful information to counselors and placement officers in identifying appropriate employment opportunities on the basis of local industries and businesses.
- ✓ Human Relations Capabilities. These capabilities refer to those people-to-people interactions encountered in the job situation. They refer primarily to situations requiring:
 - Sales or persuasion--facilitating persuasive interactions within established limits.
 - Service--interaction which is oriented toward recognition of and responsiveness to client/customer needs or objectives.
 - Communications--sensitivity and responsiveness to the receptivity and motivation of others.

COGNITIVE REQUIREMENTS	REQUIREMENTS KEY		
Jobs with no significant cognitive requirements.	Language MINIMUM	Mathematics MINIMUM	Perceptual Processing MINIMUM
Jobs with significant requirements for language capabilities only.	MODERATE	MINIMUM	MINIMUM
Jobs with significant requirements for mathematics capabilities only.	MINIMUM	MODERATE	MINIMUM
Jobs with significant requirements for perceptual processing capabilities only.	MINIMUM	MINIMUM	MODERATE
Jobs with significant requirements for both language and mathematics capabilities.	MODERATE	MODERATE	MINIMUM
Jobs with significant requirements for both language and perceptual processing capabilities.	MODERATE	MINIMUM	MODERATE
Jobs with significant requirements for both mathematics and perceptual processing capabilities.	MINIMUM	MODERATE	MODERATE
Jobs with significant requirements for all three cognitive capabilities--language, mathematics, and perceptual processing.	MODERATE	MODERATE	MODERATE

Figure 6. Volume 2 Cognitive Requirements Structure

For a fuller description of the relationship of these capabilities to other social capabilities and other types of job activities, see pages 25 and 26 of Volume 1 of this handbook.

As shown in Figure 5, when there is a job requirement for significant demonstration of these capabilities, the letter "H" appears in the column labeled "H." Otherwise, a dash (-) appears, indicating that there is no significant human relations capability required.

✓ Reasoning Development Level. Three levels of reasoning development are associated with the jobs selected for clients with limited cognitive skills:

- Level 1--job situations requiring no more than common sense understanding to carry out simple one- or two-step instructions, or to deal with standardized situations with occasional or no variation from those situations.
- Level 2--job situations requiring no more than common sense understanding to carry out detailed but uninvolved written or oral instructions, or to deal with problems

involving only a few concrete variables in or from standardized situations.

- Level 3--job situations requiring no more than common sense understanding to carry out instructions furnished in written, oral, or diagrammatic form, or to deal with problems involving several concrete variables in or from standardized situations.

The level of Reasoning Development required is indicated by the Number "1," "2," or "3" in the column labeled "R." For additional information about reasoning development level and how to determine the extent of reasoning capability clients possess, see pages 22 and 23 of Volume 1 of this handbook.

- ✓ Psychomotor Requirements. Four types of psychomotor capabilities may be associated with the jobs selected for inclusion here:

- Basic motor coordination--the ability to move hands or fingers rapidly.
- Finger and/or hand dexterity--the ability to manipulate the hands and fingers easily and skillfully to accurately manipulate small objects.
- Refined control operations--capabilities for precision control using the larger muscles of the arm-hand or leg-foot; multilimb coordination; rate control to make continuous motor adjustment to changes in speed and/or direction of a moving target; and response orientation, involving the selection of the proper movement in reaction to suddenly appearing sensory patterns.
- Reaction speed and steadiness--capability to give a fast, nearly automatic reaction to a stimulus; capability to provide arm-hand steadiness.

When there is a job requirement for significant demonstration of psychomotor capabilities, the letter "P" appears in the column labeled "P." If there is no significant requirement for psychomotor capability, a dash (-) appears in the "P" column, as shown in Figure 5.

For additional information about psychomotor capabilities--how they relate to job performance and how they can be determined for individual clients, see pages 29 and 30 of Volume 1 of this handbook. To determine specific psychomotor requirements of a given job, refer to that specific job description in Volume I of the DOT.

- ✓ Specific Vocational Preparation (SVP). The SVP indicates the level of training required for job performance. Occupations included here are restricted to no more than one year of training, and many require much less--a short demonstration, for example. Figure 7 provides definitions of the codes used to indicate the level of training required for a specific job. For each occupational title listed, one of these codes appears in the column labeled "SVP."

CODE	SPECIFIC VOCATIONAL PREPARATION
1	Short demonstration only
2	Anything beyond short demonstration up to and including 30 days
3	Over 30 days up to and including three months
4	Over three months up to and including six months
5	Over six months up to and including one year

Figure 7. Codes for Specific Vocational Preparation (SVP)

- ✓ Physical Demands. Information about physical demands associated with a job are also provided within the job requirements information. The codes used to provide these indications are shown in Figure 8. To determine specific physical demands of a given job, refer to that specific job description in Volume I of the DOT.

COLUMN HEADING	FACTOR	CODE ENTRY	MEANING
✓ 1	Lifting, carrying, pushing, and/or pulling (strength)	S	Sedentary work
		L	Light work
		M	Medium work
		H	Heavy work
		V	Very heavy work
2	Climbing and/or balancing	2	A numerical entry indicates a significant demand relating to the factor. A hyphen (-) indicates no special or significant demand.
3	Stooping, kneeling, crouching, and/or crawling	3	
4	Reaching, handling, fingering, and/or feeling	4	
5	Talking and/or hearing	5	
6	Seeing	6	

Figure 8. Codes for Physical Demands

- ✓ **Working Conditions.** The last job requirements information presented for each occupational title refers to the working conditions encountered in carrying out that job. The codes used to describe these conditions are presented in Figure 9. For further explanation of the associated working conditions, see each individual job description in Volume I of the DOT.

COLUMN HEADING	FACTOR	CODE ENTRY	MEANING
1	Inside, outside, or both	I	Inside
		O	Outside
		B	Both
2	Extremes of cold	2	A numerical entry indicates that the factor is significantly present in the work environment. A hyphen (-) indicates that the factor is not significantly present in the environment.
3	Extremes of heat	3	
4	Wet and humid	4	
5	Noise and vibration	5	
6	Hazards	6	
7	Fumes, odors, toxic conditions, dust, poor ventilation	7	

Figure 9. Codes for Working Conditions

OCCUPATIONAL AREA DESCRIPTIONS

The DOT occupational title code structure of Category, Division, and Group has been used to provide sets of jobs having similar requirements and industry types. For each such occupational area, a descriptive text precedes the listing of the individual occupational titles. A standard format for presentation of information covers the following information types in each sequential paragraph:

- ✓ Identification of the types of activities or functions included.
- ✓ Identification of the cognitive requirements of the occupational titles, or sets of these, as appropriate. Typical types of activities and functions requiring specific cognitive capabilities are highlighted.
- ✓ Other job performance requirements relating to specific knowledges, physical capacities, human interaction requirements, and psychomotor requirements. Types of occupations or situations in which these capabilities may be required are identified.

- ✓ Career implications of the set of occupational titles included as they relate to each other or to other sets of occupational titles.

Figure 10 provides an overview of the occupational areas included in the remainder of this volume and the concentration of cognitive and extra-cognitive demands found within those areas.⁶ Different tones of shading have been used to indicate the varying levels of concentrations of job opportunities. For cognitive demands, these shadings indicate that within a given combination of cognitive demands there are "no jobs listed," "some jobs listed," or "many jobs listed." For extra-cognitive demands, opportunities are classified as typically requiring "low," "intermediate," or "high" psychomotor requirements, interactions with physical objects, contact with people, or frequency of set routines.

Figure 10 can be used by counselors and placement officers to make an initial screening of occupational areas of interest to a client--to determine the likelihood of finding occupations which are within the client capabilities. Once a promising area is found, exploration of specific occupations and associated requirements can be undertaken to find a specific job opportunity fitting the client characteristics.

⁶ There are few opportunities for persons with limited cognitive skills in the DOT category of Professional, Technical, and Managerial Occupations (Code 0-1). Consequently, no analysis of this category is presented in Figure 10.

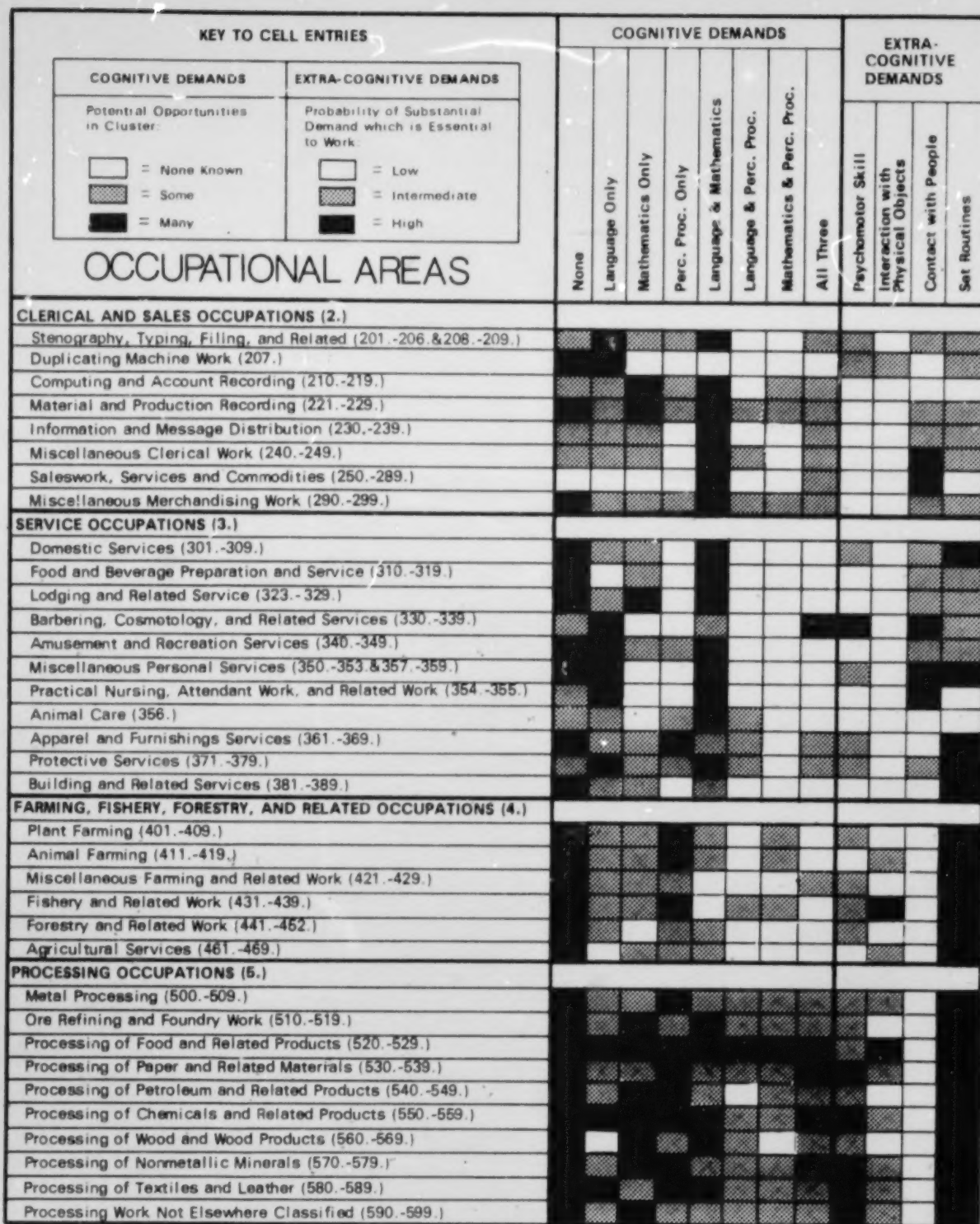


Figure 10. Occupational Areas X Profiles of Cognitive and Extra-cognitive Demands

Figure 10. (Continued)

KEY TO CELL ENTRIES		COGNITIVE DEMANDS								EXTRA-COGNITIVE DEMANDS			
COGNITIVE DEMANDS													
Potential Opportunities in Cluster										Probability of Substantial Demand which is Essential to Work			
None Known Some Many										Low Intermediate High			
OCCUPATIONAL AREAS		None	Language Only	Mathematics Only	Perc. Proc. Only	Language & Mathematics	Language & Perc. Proc.	Mathematics & Perc. Proc.	All Three	Psychomotor Skill	Interaction with Physical Objects	Contact with People	Set Routines
MACHINE TRADES OCCUPATIONS (6.)													
Metal Machining (600.-609.)													
Metal Working Not Elsewhere Classified (610.-619.)													
Mechanical Repairing (620.-639.)													
Paperworking (640.-649.)													
Printing (650.-659.)													
Wood Machining (662.-669.)													
Machining of Non-Metallic Minerals (670.-679.)													
Textile Machine Work (680.-689.)													
Machine Work Not Elsewhere Classified (690.-699.)													
BENCH WORK OCCUPATIONS (7.)													
Fabrication and Repair of Metal Products (700.-709.)													
Assembly and Repair of Scientific Apparatus (710.-719.)													
Assembly and Repair of Electrical Equipment (720.-729.)													
Assembly and Repair of Assorted Products (730.-739.)													
Painting, Decorating, and Related Work (740.-749.)													
Assembly and Repair of Plastic/Rubber Goods (750.-759.)													
Fabrication and Repair of Wood Products (760.-769.)													
Fabrication and Repair of Sand/Glass Goods (770.-779.)													
Fabrication and Repair of Textile (780.-785. & 788.-789.)													
Machine Sewing of Garments and Nongarments (786.-787.)													
Bench Work Not Elsewhere Classified (790.-799.)													
STRUCTURAL WORK OCCUPATIONS (8.)													
Metal Fabricating Not Elsewhere Classified (800.-809.)													
Welding, Flame Cutting, and Related Work (810.-819.)													
Electrical Assembling, Installing, Repairing (820.-829.)													
Painting, Plastering, Cementing, and Related Work (840.-849.)													
Excavating, Grading, Paving, and Related Work (850.-859.)													
Construction Work Not Elsewhere Classified (860.-869.)													
Structural Work Not Elsewhere Classified (891.-899.)													
MISCELLANEOUS OCCUPATIONS (9.)													
Motor Freight Transportation (900.-909.)													
Transportation Work Not Elsewhere Classified (910.-919.)													
Packaging and Materials Handling (920.-929.)													
Extraction of Minerals (930.-939.)													
Logging (940.-949.)													
Production and Distribution of Utilities (950.-959.)													
Amusement, Recreation, and Motion Picture Work (961.-969.)													
Graphic Art Work (970.-979.)													

OCCUPATIONAL AREAS--DESCRIPTIONS
AND INDIVIDUAL OCCUPATIONAL TITLES

(0.1.) PROFESSIONAL,
TECHNICAL,
AND MANAGERIAL
OCCUPATIONS

OCCUPATIONAL AREAS--DESCRIPTIONS AND INDIVIDUAL OCCUPATIONAL TITLES

(0.-1.) PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS

Occupations in this area are characterized by "helper" and support positions in a variety of professional, technical, and managerial career fields. There are, however, a limited number of occupations which provide opportunities for independent and unsupervised work activity.

Of the relatively small number of occupations provided, most have a requirement for a moderate level of cognitive skill in language and mathematics. Language requirements derive from such activities as reviewing and preparing index cards for microfilm, preparing notices for mailing to "overdue" patrons, interpreting written specifications, preparing notes and other forms of documentation, and maintaining filing systems for written materials of various types. Mathematics demands stem from such activities as measuring or weighing objects, calculating shipping costs from height and girth data, preparing purchase orders for materials and supplies to maintain a specified inventory, and determining an appropriate shutter speed and lens opening for a given light meter reading and film speed.

Approximately half of the occupations in this area have a requirement for substantial human interaction, most often with regard to dealing with the general public or with respect to closely coordinated teamwork activities involving co-workers.

The increasing use of automated devices for monitoring and recording data is likely to have an adverse impact upon the number of jobs available over future years. Additionally, stiff competition for jobs can be expected because many of the occupations identified here are utilized as entry-level positions for persons with the advanced skills and educational background necessary for journey-level positions in professional, technical, and managerial fields.

PHYS.D WK COND
HRP SVP 123456 1234567

018. SURVEYING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-010 SURVEYOR HELPER, CHAIN	ANY IND	H3P	4	L-34-6	O-----
.687-014 LIGHTKEEPER TRIANGULATION	ANY IND	H3P	3	L--4-6	O-----
.587-010 SURVEYOR HELPER, ROD	ANY IND	H3P	4	L-34--	O-----

Professional, Technical, and Managerial Occupations

PHYS.D WK COND
HRP SVP 123456 1234567

024. GEOLOGY

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.384-010 PALEONTOLOGICAL HELPER

PETROL PRODU -2- 4 L--4-- I--4---

049. LIFE SCIENCES, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.384-010 BIOLOGICAL AID

AGRIC H3- 4 M----- B-----

.384-014 FEED-RESEARCH AID

GRAIN / FEED -3- 4 M--4-- B-----7

074. PHARMACY

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.387-010 PHARMACY HELPER

MEDICAL SER H3P 3 L--4-- I--4---

078. MEDICAL AND DENTAL TECHNOLOGY

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.687-010 LABORATORY ASSISTANT PLASMA DR DRUG PREP -3- 2 M--4-6 I-----

079. MEDICINE AND HEALTH, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.588-010 DIE CLERK

MEDICAL SER -2- 3 S--456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-026 OCCUPATIONAL THERAPY AID

MEDICAL SER H3P 5 L--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.368-030 X-RAY CLERK

MEDICAL SER H3- 5 L--4-- I-----

109. MUSEUM, LIBRARY, AND ARCHIVAL SCIENCES, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-010 PAGE

LIBRARY -3- 2 L-34-- I-----

.388-010 RECORD-PROGRAM SELECTOR

ANY IND H3- 5 S--5- I-----

.368-010 BOOKMOBILE DRIVER

LIBRARY H3- 3 L--456 I-----

.368-014 REGISTRATION CLERK

LIBRARY H3- 5 L--45- I-----

142. DESIGNING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.081-026 CREST-PATTERN MAKER AND SEWER TRIM / STAMP -3P 5 L--4-6 I-----

143. PHOTOGRAPHY

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.867-010 PHOTO-MACHINE OPERATOR MINIATU PER SER -3- 3 L--456 I-----
.858-010 PHOTOGRAPHER AMUSE / REC H3P 3 L--456 I-----
.858-014 PHOTOGRAPHER STREET PER SER H3P 2 L--4-- O-----

162. PURCHASING MANAGEMENT

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.158-114 SECOND-HAND FURNITURE DEALER RET TR WHOLE H2- 5 L--456 I-----

168. INSPECTING AND INVESTIGATING, MANAGERIAL AND PUBLIC SERVICE

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.688-010 LOADING INSPECTOR RR TRANS -3- 3 L2---- B-----
.688-014 PERISHABLE-FREIGHT INSPECTOR R.R. TRANS. -3- 3 L---- B-----
.487-010 INSPECTOR MICA GOV SER -3- 4 L--4-6 I-----

187. SERVICE INDUSTRY MANAGEMENT

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.168-142 MANAGER STORAGE GARAGE AUTO SER H3- 1 L---5- I-----

191. BUSINESS RELATIONS WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.688-010 MATERIAL-AND-EQUIPMENT CLASSIF GOV SER -3- 4 L--4-6 B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.368-010 PERSONAL PROPERTY ASSESSOR GOV SER H3- 3 L---56 I-----

Professional, Technical, and Managerial Occupations

PHYS.D WK COND
HRP SVP 123456 1234567

194. SOUND RECORDING, TRANSCRIBING, AND REPRODUCING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-018 TAPE DUPLICATOR

PHONOGRAPH -3- 5 L--4-6 I-----

199. MISCELLANEOUS PROFESSIONAL, TECHNICAL, AND MANAGERIAL WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 DECONTAMINATOR

ANY IND -3- 4 M--4-6 I--4-67

(2.) CLERICAL AND SALES
OCCUPATIONS

(2.) CLERICAL AND SALES OCCUPATIONS

STENOGRAPHY, TYPING, FILING, AND RELATED OCCUPATIONS (201.-206. & 208.-209.)

Occupations in this area have duties such as entering, posting, and checking verbal information on ledgers, stocklists, and similar standardized record forms; gathering information together; classifying, sorting, and filing correspondence, account records, business forms and related data; proofing text; taking notes; and following verbal instructions. The majority of jobs do not require the creation of textual information since such duties usually involve language demands greater than those included within this handbook. Occupations included here are primarily concentrated on the transcription of information or the entry of standard data elements.

Almost all of the occupations in this area demand at least a moderate level of language development. A substantial proportion of the jobs have moderate mathematics demands in addition to the language demands. Mathematics demands derive largely from the processing of records which require mathematical manipulation or computation.

Typing and other keyboard-entry tasks are common in this occupational area. Increasing application of electronic data processing is reducing the demand for computational skills but increasing the demand for modest finger dexterity and eye-hand coordination because of the increasing use of keyboard entry devices.

The potential for advancement is usually good for workers who continue to develop job skills. In addition to the trend toward increased electronic processing of numerical data, a major trend is toward the application of computer and related technologies to text processing. Workers capable of working with the equipment and procedures that derive from such technology will have special opportunities.

PHYS.D WK COND
HRP SVP 123456 1234567

202. STENOGRAPHY

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.388-022 STENOTYPE OPERATOR

CLERICAL -3P 5 S--456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.388-014 STENOGRAPHER

CLERICAL -3P 5 S--456 I-----

.388-018 STENOGRAPHER, PRINT SHOP

PRINT. / PUB -3P 5 S--456 I-----

Stenography, Typing, Filing, and Related Occupations

PHYS.D WK COND
HRP SVP 123456 1234567

203. TYPING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.588-010 PERFORATOR TYPIST CLERICAL -3P 4 S--4-6 I-----
.588-014 TELEGRAPHIC-TYPEWRITER OPERATO CLERICAL -3P 4 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.588-018 TYPIST CLERICAL -3P 3 S--4-6 I-----
.588-022 WIRES-TRANSFER CLERK BANKING -3P 4 S--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.582-010 VARI-TYPIST CLERICAL -3P 4 S--4-6 I-----

204. CORRESPONDENCE WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.388-010 CORRESPONDENCE-REVIEW CLERK CLERICAL -3P 5 S--4-- I-----

205. PERSONNEL WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.368-018 IDENTIFICATION CLERK CLERICAL H3- 3 S--456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.388-010 CIVIL-SERVICE CLERK GOV SER -3P 3 S--4-- I-----
.368-030 SOCIAL SECURITY CLERK CLERICAL H3- 5 S--45- I-----

206. FILING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.388-014 CUT-FILE CLERK PRINT / PUB -3- 4 L--4-- I-----
.388-018 FILE CLERK CLERICAL -3- 3 L-34-- I-----
.388-022 FILE CLERK CLERICAL -3- 5 L-34-6 I-----
.388-030 LIBRARIAN PRINT / PUB -3- 4 L-34-6 I-----
.388-034 RECORD CLERK CLERICAL -3- 3 L-34-- I-----

MOD MOD MIN

.588-010 BRAND RECORDER GOV SER -3- 4 S----6 I-----
.388-010 CLASSIFICATION CLERK CLERICAL -3- 3 L----6 I-----
.388-038 RECORDS CUSTODIAN BANKING -3- 5 M-34-6 I-----

208. MISCELLANEOUS OFFICE MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014 MICROFILM MOUNTER ANY IND -2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010 EMBOSsing-MACHINE-OPERATOR CLERICAL -3P 4 S--4-6 I-----
 .782-014 EMBOSsing-MACHINE OPERATOR CLERICAL -3P 4 S--4-6 I-----
 .782-022 TICKET MACHINE OPERATOR CLERICAL -3- 5 M--4-6 I-3--6-
 .588-010 BRAILLE-MACHINE OPERATOR PRINT / PUB -3P 5 L--4-6 I-----
 .588-018 PHOTOCOMPOSING-MACHINE PERFORA PRINT / PUB -3P 5 S--4-6 I-----
 .588-022 TELAUTOGRAPH OPERATOR CLERICAL -3P 3 S--4-- I-----
 .588-026 TRANSCRIBING-MACHINE OPERATOR CLERICAL -3P 4 S--456 I-----
 .588-030 TYPESETTER-PERFORATOR OPERATOR PRINT / PUB -3P 4 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 COLLATOR OPERATOR CLERICAL -2- 2 L--4-- I-----

209. STENOGRAPHY, TYPING, FILING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.688-022 DISPLAY-DESK CLERK PRINT / PUB -3- 4 S--4-- I-----
 .688-030 ORDER CALLER CLERICAL -2- 2 S---56 I-----
 .688-034 PROOFREADER PRINT / PUB -3- 4 S--4-6 I-----
 .688-038 REVIEWER INSURANCE -3- 4 S----- I-----
 .687-010 ADDRESS-PLATE INSERTER CLERICAL -2- 2 L--4-- I-----
 .687-014 SLIP PULLER BUS SER -2- 1 S--4-- I-----
 .588-010 ADDRESSER CLERICAL -3- 3 S--4-- I-----
 .588-026 COPY HOLDER CLERICAL -3- 4 S---56 I-----
 .588-030 CREDIT CARD CLERK RET TR -3- 3 S--4-- I-----
 .588-042 LIBRARY CLERK TALKING BOOKS LIBRARY -3- 2 L--4-- I-----
 .584-010 MORTICER CLERICAL -3- 1 S--4-6 I-----
 .388-026 CONTINUITY CLERK MOTION PIC -3P 5 S--4-- I-----
 .388-038 READER BUS SER -3- 4 S----- I-----
 .368-010 CALL-OUT OPERATOR BUS SER RET H3- 2 L--5- I-----
 .368-018 IN-FILE OPERATOR BUS SER H3- 3 S--45- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.688-050 YARDAGE CALLER TEXTILE -2- 2 L--45- I-----

209. STENOGRAPHY, TYPING, FILING, AND RELATED WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM
.688-014 CHECKER		CLERICAL -3- 4 S--4-- I-----
.688-018 CHECKING CLERK		BANKING -3- 4 S--4-- I-----
.688-026 METAL-RELEASE CLERK		NONFER METAL -3- 4 L--4-- I-----
.688-042 SORTER		CLERICAL -2- 3 S--4-- I-----
.588-014 CAR CHECKER		CLERICAL -3- 2 S----- I-----
.588-018 CLERK GENERAL		CLERICAL -3- 2 L--4-- I-----
.588-022 CONTACT CLERK		LIGHT HEAT -3- 4 S--456 I-----
.588-034 CUSTOMER-CONTROL CLERK		CLERICAL -3- 2 S----- I-----
.588-038 HISTORY-CARD CLERK		LIGHT HEAT -3- 4 S--4-- I-----
.588-054 RETURN-TO-FACTORY CLERK		CLERICAL -3- 3 L--4-- I-----
.588-058 ROUTING CLERK		BANKING -3- 3 S--4-- I-----
.587-010 SAMPLE CLERK, PAPER		PAPER / PULP -3- 3 M--4-- I---5--
.488-010 CIRCULATION CLERK		PRINT / PUB H3P 5 S--4-6 I-----
.388-010 BORDEREAU CLERK		INSURANCE -3P 4 S--4-6 I-----
.388-014 CANCELLATION CLERK		INSURANCE -3P 5 S--4-- I-----
.388-018 CLASSIFIED-AD CLERK		PRINT. / PUB -3- 5 S--4-6 I-----
.388-022 CLERK-TYPIST		CLERICAL -3P 4 S--456 I-----
.388-034 MORTGAGE PROCESSING CLERK		CLERICAL -3P 3 S--4-6 I-----
.388-042 REFERENCE CLERK		RET TR H3- 4 S--45- I-----
.388-054 TITLE SEARCHER		REAL ESTATE -3- 5 L--4-6 I-----
.368-010 JUSTOWRITER OPERATOR		BUS SER H3- 5 M--4-- I-----

DUPLICATING MACHINE WORK (207.)

Separate occupations for duplicating with office copy machines are often broken off from other clerical occupations, especially in larger business and government offices. The number of occupational titles is small, but the number of positions available under each title is large.

Cognitive requirements are minimal for most of these jobs. In some instances, the need to read job requisitions or understand verbal instructions may introduce moderate language demands.

Mechanical capabilities can be a definite asset for setting up the registration of copy accommodating to different paper sizes and weights, machine cleaning and lubrication, and clearing of paper jams.

Opportunities to move into other areas of clerical work are relatively good if additional job skills are learned. Individuals with supervisory potential may be able to move into the management of reproduction units.

PHYS.D WK COND
HRP SVP 123456 1234567

207. DUPLICATING-MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010	DUPLICATING-MACHINE OPERATOR	CLERICAL	-2-	2	L--4--	I-----
.885-014	PHOTOGRAPHIC-MACHINE OPERATOR	CLERICAL	-2P	3	L--4--	I-----
.885-018	STENCIL-CUTTER OPERATOR	CLERICAL	-2-	2	L-----	I-----
.884-010	DUPLICATING-MACHINE OPERATOR	CLERICAL	-2P	2	L-34--	I-----
.782-010	COPY OPERATOR	RR TRANS	-3P	4	S--4-6	I-----
.782-014	DUPLICATING-MACHINE OPERATOR	CLERICAL	-3-	4	L-34--	I-----
.782-018	DUPLICATING-MACHINE OPERATOR	CLERICAL	-3-	4	L--4--	I-----
.782-022	MIMEOGRAPH OPERATOR	CLERICAL	-3-	4	L--4--	I-----
.582-010	BRAILLE-DUPLICATING-MACHINE OP	CLERICAL	-3P	4	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-026	OFFSET-DUPLICATING-MACHINE OPE	CLERICAL	-3-	5	L--4-6	I-----
.782-030	TYPEWRITER OPERATOR AUTOMATIC	CLERICAL	-3P	4	S--4-6	I-----

**COMPUTING AND ACCOUNT
RECORDING (210.-219.)**

Occupations in this area are concerned with entry of financial transactions; handling checks, money orders, currency; bookkeeping; operating billing machines; and computing for business records.

Most occupations in this area demand a moderate level of mathematics capability and a large proportion of these occupations have moderate language demands. Language requirements most often pertain to the reading and writing of terminology relating to business and accounting functions.

The increasing application of electronic data processing is reducing the demand for computational skills but is increasing the demand for modest finger dexterity and eye-hand coordination because of the increasing use of keyboard-entry devices. About one-quarter of the occupations involve substantial interaction with the public or large numbers of fellow workers.

Major career opportunities tend to involve higher levels of cognitive achievement in supervision, new procedures design, programming, investigation of complaints and errors, and analysis of data.

PHYS.D WK COND
HRP SVP 123456 1234567

210. BOOKKEEPING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.588-010 INSURANCE CLERK CLERICAL -3- 4 S----- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.488-010 CHART CALCULATOR	LIGHT HEAT	-3-	5	S--4-6	I-----
.488-014 DIVIDEND-DEPOSIT-VOUCHER QUOTE	INSURANCE	-3-	3	S--4-6	I-----
.388-014 AUDIT CLERK	CLERICAL	-3-	5	S--4-6	I-----
.388-018 BILLING CONTROL CLERK	LIGHT HEAT	-3-	5	S--4-6	I-----
.388-038 DISTRIBUTION ACCOUNTING CLERK	LIGHT HEAT	-3-	5	S--456	I-----
.388-050 MEDICAL-VOUCHER CLERK	INSURANCE	-3-	3	S--4-6	I-----
.388-054 MORTGAGE-LOAN-COMPUTATION CLERK	INSURANCE	-3-	3	S--4-6	I-----

211. CASHIERING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.488-010 MONEY COUNTER	RET TR WHOLE	-3-	5	S--4-6	I-----
.488-014 MONEY COUNTER	AMUSE / REC	-3-	3	L--4-6	I-----
.468-010 CASHIER	CLERICAL	H3-	2	S--456	I-----
.468-018 CASHIER CURRENCY EXCHANGE	BUS SER	H3-	2	S--45-	I-----
.468-022 CASHIER GAMBLING	AMUSE / REC	H3-	2	S--45-	I-----
.468-026 CASHIER-WRAPPER	RET TR	H3-	2	L--4-6	I-----
.468-030 CASHIER, CHANGE BOOTH	AMUSE / REC	H2-	2	S--4-6	I-----

211. CASHIERING (CONT.)

.468-034 DESK CLERK	PER SER	H3-	2	S--456	I-----
.468-038 DRIVERS-CASH CLERK	MOTOR TRANS	H2-	2	S--45-	I-----
.468-042 PARIMUTUEL-TICKET CASHIER	AMUSE / REC	H3-	2	S--4-6	I-----
.468-046 PARIMUTUEL-TICKET SELLER	AMUSE / REC	H2-	2	S--45-	I-----
.468-050 SHEET WRITER	AMUSE / REC	-3-	2	L--45-	I-----
.468-054 STATION AGENT	RR TRANS	H2-	2	L---5-	I-----
.468-058 TELLER	LIGHT HEAT	H2-	2	L--45-	I-----
.468-062 TICKET SELLER	CLERICAL	H3-	2	S--456	I-----
.468-066 TOLL COLLECTOR	GOV SER	H2-	2	L--4--	B-----
.368-010 CASHIER	CLERICAL	H3-	5	S--45-	I-----

213. AUTOMATIC DATA PROCESSING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 SORTING-MACHINE OPERATOR CLERICAL -2- 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.588-014 VERIFIER OPERATOR CLERICAL -3P 5 S--4-6 I-----
.582-010 KEY-PUNCH OPERATOR CLERICAL -3P 4 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-010 TABULATING-MACHINE OPERATOR CLERICAL -3- 5 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.588-010 DATA TYPIST CLERICAL -3P 4 S--4-6 I-----
.382-010 CARD-TAPE-CONVERTER OPERATOR CLERICAL -3- 4 S--4-- I-----
.382-014 COMPUTER-PERIPHERAL-EQUIPMENT CLERICAL -3- 4 L--4-6 I-----
.382-022 HIGH-SPEED-PRINTER OPERATOR CLERICAL -3- 4 L--4-6 I-----

214. BILLING-MACHINE WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.488-010 BILLING-MACHINE OPERATOR CLERICAL -3P 4 S--4-6 I-----

215. BOOKKEEPING-MACHINE WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.488-010 PAYROLL CLERK CLERICAL -3P 5 S--4-6 I-----
.388-014 BOOKKEEPING-MACHINE OPERATOR CLERICAL -3P 5 S--4-6 I-----

216. COMPUTING-MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.588-010 FOOD TABULATOR CAFETERIA

HOTEL / REST -2P 3 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.488-010 ADDING-MACHINE OPERATOR

CLERICAL -2P 3 S--4-- I-----

.488-014 AUDIT-MACHINE OPERATOR

CLERICAL -3P 4 S--4-- I-----

.488-022 FOOD CHECKER

HOTEL / REST -2P 3 S--4-- I-----

.488-026 FOOD CHECKER

HOTEL / REST -2P 3 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.588-014 INTEGRATOR OPERATOR

CLERICAL -2- 3 L--4-6 I-----

MOD MOD MIN

.488-018 CALCULATING-MACHINE OPERATOR

CLERICAL -3P 3 S--4-- I-----

.488-030 FOOD CONTROLLER

HOTEL / REST -3P 5 S---6 I-----

.488-034 INTERLYNE CLERK

RR TRANS -3P 3 S--4-- I-----

.488-038 POLICY-VALUE CALCULATOR

INSURANCE -3P 4 S--4-- I-----

.488-042 TESTER, RECORDING AND CHECKING

NONFER. META -3P 3 S--4-- I-----

.388-010 BALANCE CLERK

CLERICAL -3P 4 S--4-6 I-----

.388-014 BANK-RECONCILIATION CLERK

CLERICAL -2P 5 S--4-6 I-----

217. ACCOUNT-RECORDING-MACHINE WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 BURSTING-MACHINE OPERATOR

CLERICAL -2- 2 L---- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.388-010 PROOF-MACHINE OPERATOR

BANKING -3P 4 L--4-- I---5--

219. COMPUTING AND ACCOUNT RECORDING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.688-014 COUNTER, FISH

GOV SER -1- 2 L----6 O-----

.588-010 BOOKMAN

WHOLE TR -2- 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.388-086 CONTROL CLERK AUDITING

INSURANCE -2- 3 S--4-6 I-----

219. COMPUTING AND ACCOUNT RECORDING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.588-018 COIN-MACHINE OPERATOR	BANKING	-2-	4	H--4-6	I---5--
.585-010 COIN-MACHINE OPERATOR	CLERICAL	-2-	2	H--4--	I-----
.488-014 ADDITIONS AND BETTERMENTS CLERK	RR TRANS	-3-	4	S--4-6	I-----
.488-018 ADVERTISING-SPACE MEASURER	CLERICAL	-2-	3	S--4--	I-----
.488-026 BROKERAGE CLERK	FINAN INST	-3-	5	S--4--	I-----
.488-030 COLLECTION-SHEET CLERK	MOTOR TRANS	-2P	3	S--4-6	I-----
.485-010 CURRENCY SORTER	BANKING	-3-	4	S--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.688-010 CONTROL CLERK DATA PROCESSING	CLERICAL	-3-	4	L--4-6	I-----
.588-014 CHARGE-REFER CLERK	CLERICAL	-3-	3	S--4-6	I-----
.588-022 DATA-CHANGE CLERK	INSURANCE	-2-	3	S--4-6	I-----
.588-026 ERROR-LEDGER CLERK	CLERICAL	-2-	3	S--4-6	I-----
.588-030 KARDEX CLERK	CLERICAL	-2-	3	S--4-6	I-----
.588-034 METER-ORDER CLERK	LIGHT HEAT	-2-	3	S--4-6	I-----
.588-038 POSTING CLERK	CLERICAL	-3-	3	S--4-6	I-----
.588-042 REMITTANCE CLERK	INSURANCE	-2-	3	S--4-6	I-----
.588-046 SUSPENSE CLERK	LIGHT HEAT	-2-	3	S--4-6	I-----
.588-050 SUSPENSE-RETIREMENT-CLEARANCE-	LIGHT HEAT	-2-	3	S--4-6	I-----
.588-054 TELEGRAPH-SERVICE RATER	TEL / TEL	-2-	2	S--4--	I-----
.488-050 GRADING CLERK	EDUCATION	-3-	3	S-----	I-----
.488-054 INSURANCE CHECKER	INSURANCE	-3-	5	S--4-6	I-----
.488-058 RATE CLERK	MOTOR TRANS	H3-	3	S--456	I-----
.488-066 TOLL-RATING CLERK	TEL / TEL	-3-	3	S--4--	I-----
.488-070 VOUCHER CLERK	RR TRANS	-3-	4	S--4--	I-----
.388-022 AIRCRAFT-LOG CLERK	AIR TRANS	-3-	3	S--4--	I-----
.388-026 BILLING CLERK	CLERICAL	-3P	4	S--4-6	I-----
.388-042 C O D CLERK	CLERICAL	-2-	3	S--4-6	I-----
.388-050 CHECKER	AMUSE / REC	-2-	2	L--4-6	B-----
.388-058 CLEARING-HOUSE CLERK	BANKING	-3-	5	L--45-	I-----
.388-062 CLERK CABLE TRANSFER	TEL / TEL	-3-	4	S-----	I-----
.388-074 CODING CLERK	CLERICAL	-3P	3	S--4-6	I-----
.388-078 COLLATERAL-AND-SAFEKEEPING CLE	BANKING	-3-	5	S--4--	I-----
.388-082 CONTRACT CLERK AUTOMOBILE	RET TR	-3P	5	S--45-	I-----
.388-090 CONTROL CLERK DATA PROCESSING	CLERICAL	-3P	4	S-----	I-----
.388-102 CREW SCHEDULER	AIR TRANS	H3-	4	S---5-	I-----
.388-106 DEMURRAGE CLERK	R R TRANS	H3P	5	S-----	I-----
.388-110 DISPATCHER CLERK	RR TRANS	-2-	3	S--45-	I-----
.388-122 EXCHANGE CLERK	BANKING	H3-	4	S--4--	I-----
.388-126 FILM-RENTAL CLERK	RET TR	H3-	4	L---5-	I-----
.388-130 FLIGHT-CREW-TIME CLERK	AIR TRANS	-3-	3	S--45-	I-----
.388-134 FOREIGN-COLLECTION CLERK	BANKING	H3-	5	S--4-6	I-----
.388-142 INSURANCE CLERK	BANKING	H3-	4	S--45-	I-----
.388-150 INTEREST CLERK	BANKING	-3P	5	S--4--	I-----
.388-154 LETTER-OF-CREDIT CLERK	BANKING	H3-	5	S--45-	I-----
.388-158 LOAD-CONTROL AGENT	AIR TRANS	H3-	5	S-----	I-----
.388-166 MANIFEST CLERK	WATER TRANS	H3P	5	L--4--	I-----

219. COMPUTING AND ACCOUNT RECORDING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.388-174 MARGIN CLERK
 .388-178 MEDIA CLERK
 .388-182 MORTGAGE-ACCOUNTING CLERK
 .388-190 PAY AGENT
 .388-202 PROBATE CLERK
 .388-218 RATER
 .388-222 REAL-ESTATE CLERK
 .388-230 RETURNED-ITEM CLERK
 .388-234 REVISING CLERK
 .388-238 REVIVAL CLERK
 .388-246 SERVICES CLERK
 .388-250 SETTLEMENT CLERK
 .388-254 SORTING CLERK
 .388-262 STATISTICAL CLERK ADVERTISING
 .388-270 TAX CLERK
 .388-274 TIMEKEEPER
 .388-278 TRAFFIC-RATE CLERK
 .388-286 WARD CLERK
 .388-290 WORKSHEET CLERK
 .368-010 BROKERAGE CLERK
 .368-014 FLOORMAN

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.388-194 PLANIMETER OPERATOR

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.388-046 CHART CLERK
 .388-186 PAPER-CONTROL CLERK

FINAN INST H3- 5 S--4-- I-----
 BUS SER H3P 5 S--4-- I-----
 CLERICAL -3P 3 L--4-6 I-----
 CLERICAL H3- 4 L--4-- I-----
 BANKING -3- 5 S--45- I-----
 INSURANCE -3- 4 S--4-- I-----
 CLERICAL H3P 5 S--4-- I-----
 BANKING -3P 4 S--4-- I-----
 MOTOR TRANS -2- 4 S--4-- I-----
 INSURANCE -3P 4 S--4-- I-----
 WATER TRANS -3- 3 L--4-- I-----
 ORE DRESS SM -3P 4 S--4-- I-----
 BANKING H3P 3 S--4-- I-----
 RET TR -3P 4 S--4-6 I-----
 CLERICAL -3- 3 S--4-- I-----
 CLERICAL -2- 3 S--4-- I-----
 CLERICAL H3- 5 S--45- I-----
 MEDICAL SER H3- 3 L--45- I-----
 INSURANCE -3- 5 S----- I-----
 FINAN INST H3P 5 L--4-- I-----
 MOTOR TRANS H3- 5 S----- I-----

GOV SER -2P 3 S--4-6 I-----

PETROL REFIN -3P 3 L--4-6 I-----
 WATER TRANS -3- 5 L--4-- I-----

**MATERIAL AND PRODUCTION
RECORDING (221.-229.)**

Occupations in this area include a concern for receiving, storing, issuing, shipping, requisitioning, and accounting for materials in storage or use; assignment of space and locations to items; verifying quantity, condition, and value of items; physical handling of materials; preparation of stock for shipment; and filling of orders.

Moderate mathematics demands are characteristic of occupations in this area, although electronic numerical processing is steadily reducing computational requirements. Mathematics demands are frequently associated with moderate language requirements which pertain to the reading and writing of special vocabulary elements such as product trade names, nomenclature of goods and materials, and terminology specific to an industry. Units of measure are important vocabulary elements and tie closely to mathematics requirements. Occupations with more complex information recording, transfer, and manipulation have moderate mathematics and language requirements. But there are also many occupations with only minimal cognitive demands of any kind. These tend to be occupations which concentrate on the physical handling of materials and routine recording of information on forms.

Interaction with the public and with large numbers of employees is involved in about one-tenth of the occupations, being most prevalent in shipping, receiving, and stock clerking. Many, and an increasing number, of the recording procedures depend on the use of keyboard entry--resulting in a modest demand for finger dexterity and eye-hand coordination. Knowledge of elementary physics, mechanics, and chemistry can be helpful in understanding some of the measurement units and imperatives for physical handling of materials.

Major career opportunities tend to involve higher levels of cognitive achievement in supervision, new procedures design, programming, investigation of complaints and errors, and analysis of data.

PHYS.D WK COND
HRP SVP 123456 1234567

221. CLERICAL WORK, PRODUCTION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 WORK GUIDER

.588-010 CHECKER-IN

.588-030 TICKET SCHEDULER

KNIT GOODS -1- 2 L--4-- I-----

BOOT / SHOE -1- 2 M--4-- I-----

BOOT / SHOE -1- 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.588-014 FREQUENCY CHECKER

.588-022 JOB TRACER

GLASS MFG SY -2- 2 L--4-- I---5--

CLERICAL -3- 4 L--4-- I-----

221. CLERICAL WORK, PRODUCTION (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.588-026 SCHEDULE CLERK
 .388-014 EXPEDITER CLERK
 .388-018 FLOOR CLERK
 .388-034 MANUFACTURING-ORDER CLERK
 .388-038 MILL RECORDER
 .388-046 OVERHAUL PLANNER
 .388-050 PRODUCTION ASSISTANT
 .388-062 RECORDER
 .388-066 TRAFFIC WORKER
 .388-070 WEIGHT-AND-TEST-BAR CLERK
 .388-074 WORK-ORDER CLERK
 .387-010 BACK-SHOE WORKER
 .387-014 COMPLAINT CLERK
 .368-010 LINE-UP WORKER

PRINT / PUB -2- 4 S--4-- I-----
 OPTICAL GOOD -2- 2 L--4-- I-----
 LAUND -2- 3 L--4-- I-----
 INST / APP H3- 2 S--4-- I-----
 NONFER METAL -3- 3 S--4-- I-----
 AIRCRAFT MFG -3- 5 S--4-6 I-----
 EXPLOSIVES -3- 4 S--4-- I-----
 IRON / STEEL -3- 5 M--5- I-3-56-
 BUS SER -3- 3 S--5- I-----
 FOUND H3- 4 L--4-- I-3----
 CLERICAL -3P 2 S--4-6 I-----
 BOOT / SHOE -3- 4 L-34-- I-----
 BOOT / SHOE -2- 4 L--4-- I-----
 AUTO MFG H2- 4 L--5- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.588-018 JACKET PREPARER

PRINT / PUB -2- 3 S--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.388-022 FORMULA CHECKER
 .388-026 GAS-PLANT CLERK
 .388-042 ORDER DETAILER
 .388-058 PROVIDER

TEXTILE -3- 4 L--4-- I-----
 LIGHT HEAT -3- 4 S--4-6 I-----
 CLERICAL -3- 4 S--4-6 I-----
 IRON / STEEL -3- 5 S--4-- I-----

222. CLERICAL WORK, SHIPPING AND RECEIVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.687-010 MAIL SORTER
 .687-026 SAMPLE INSPECTOR
 .687-030 SHIPPING CHECKER
 .687-034 SORTER
 .588-018 PHOTOPRINT CHECKER
 .588-026 TRAFFIC CLERK
 .587-010 CLERK, BRAILLE-AND-TALKING BOO
 .587-022 RECEIVER
 .587-026 RECEIVING-AND-SHIPING HELPER
 .587-034 ROUTE-RETURNER
 .587-042 SHIPPING CLERK
 .387-022 RETURNED-GOODS RECEIVING-CLERK

RR TRANS -1- 2 H-34-- B-----
 CARPET / RUG -2- 3 L--4-6 I-----
 CLERICAL -2- 4 L--4-6 I-----
 ANY IND -1- 2 L--4-- I-----
 CLERICAL -2- 2 L----- I-----
 CLERICAL H3- 4 S--4-- I-----
 LIBRARY -2- 3 L--4-6 I-----
 BUS SER -2- 2 L--4-- I-----
 TEXTILE -1- 2 M-34-- I--5--
 CLERICAL -2- 3 L--4-6 B-----
 CLERICAL -2- 3 M-34-- I-----
 CLERICAL -2- 3 M--4-- I-----

222. CLERICAL WORK, SHIPPING AND RECEIVING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.687-038 STUBBER
.588-010 DELIVERY CLERK
.588-034 WRONG-ADDRESS CLERK
.587-030 RETURNED GOODS CLERK
.587-046 VAULT WORKER
.387-010 FREIGHT-RECEIVING CLERK
.387-014 GUN-REPAIR CLERK
.387-018 RECEIVING CLERK
.368-014 EXPEDITER

RET TR -2- 2 M--4-6 I-----
CLERICAL -2- 2 L--4-- B-----
RET TR -2- 4 L--456 I-----
CAN / PRESER -2- 3 L-34-6 I-----
BUS SER -2- 2 M-34-- I-----
RRTRANS H2- 3 M--4-6 I-----
FIREARMS -3- 3 L-345- I-----
CLERICAL -2- 3 M--4-- B-----
CLERICAL H3- 4 S--45- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.687-014 MILK RECEIVER
.687-018 MILK-RECEIVER TANK TRUCK
.687-022 RECEIVING CHECKER
.587-018 FISH ICER
.587-038 SCRATCH-STORAGE OPERATOR

DAIRY PROD -3- 4 H--4-6 I--45--
DAIRY PROD -3- 4 L2-4-- I--4--
CLERICAL -2- 3 H-34-- I-----
CAN / PRESER -2- 2 L--4-- I--4--
LINOLEUM -2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.588-014 SHIP RUNNER
.588-022 SHOP CLERK GRAIN ELEVATORS
.588-030 TRAFFIC CLERK
.587-014 DISTRIBUTING CLERK
.488-010 MANIFEST CLERK
.488-014 RECEIPT CLERK
.387-026 SHIPPING AND RECEIVING CLERK
.368-010 BOOKING CLERK
.368-018 TRACER

WATER TRANS -2- 4 L-34-- I-----
GRAIN / FEED H3- 4 L--45- I-----
CLERICAL -2- 4 L--45- I-----
CLERICAL -3- 3 L--4-- I-----
MOTOR TRANS -3P 4 S--4-- I-----
CLERICAL H2- 4 L--4-- B-----
CLERICAL -3- 5 M--4-6 B-----
WATER TRANS H2- 5 S--45- I-----
MOTOR TRANS H3- 4 S----- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.478-010 RETAIL-RECEIVING CLERK
.388-018 MONEY CLERK CHIEF
.387-030 SHIPPING CHECKER

CLEAN DYE H2- 2 L-3456 I-----
RR TRANS H3- 5 M-34-- I-----
AIRCRAFT MFG -3- 4 L-34-6 I-----

223. STOCK CHECKING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CLOTH-BIN PACKER
.887-018 COTTON SAMPLER
.887-022 DECAL CUTTER
.887-026 MEDICAL SUPPLY CLERK
.687-022 SCALER
.687-026 SORTER
.588-022 SWATCH CLERK

TEXTILE -1- 2 M2-4-6 I-----
AGRIC TEXTIL -1- 2 L--4-- I-----
POTTERY / PO -1P 3 S--4-6 I-----
MEDICAL SER -2P 3 L--4-- I-----7
GARMENT -2- 2 L--4-- I-----
MOTION PIC -2- 2 L--4-- I-----
GARMENT -2- 2 L----- I-----

Material and Production Recording

PHYS. D & COND
HFP SVP 123456 1234567

223. STOCK CHECKING AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.387-054 PARTS CLERK CLERICAL -2- 5 H-34-- I-----
.387-102 STOCK CLERK, TINPLATE TINWARE H2- 5 M234-- I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.388-010 EQUIPMENT-INVENTORY CLERK AIRCRAFT MFG -2- 3 L--4-6 I-----
.388-018 INVENTORY CLERK, STOCKROOM CLERICAL -2- 3 L--4-6 I-----
.387-014 BOOK SUPERVISOR CLERICAL -3- 5 L--4-- I-----
.387-022 FILM-LIBRARY CLERK CLERICAL -2- 2 L--4-- I-----
.387-030 LIBRARIAN MOTION PIC -3- 4 L--45- I-----
.387-038 MAGAZINE KEEPER ANY IND H2- 5 M-34-- I----6-
.387-070 PROPERTY CUSTODIAN MOTION PIC -2- 5 L--4-- I-----
.387-074 REFRIGERATION ROOM CLERK RET TR H2- 5 M-34-- I2-----
.387-082 SALVAGE CLERK CLERICAL -2- 5 L--4-- I-----
.387-110 TAPE LIBRARIAN CLERICAL -3- 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 CENTRAL-SUPPLY WORKER MEDICAL SER -3P 3 L--4-6 I-----
.687-010 CAR SUPPLIER RR TRANS -2P 2 M-34-- B-----
.684-010 MEAT CLERK RET TR -2P 2 H--4-- B-----
.588-010 CHECK-OUT CLERK WHOLE TR -2- 2 L--4-- I-----
.588-014 FIELD CHECKER AGRIC -2- 2 L--4-- B-----
.588-018 SAMPLER WOOL WHOLE TR -2- 3 L----- I-----
.588-026 COUNTER CLERICAL -2- 2 L--45- B-----
.587-018 LABORATORY HELPER CLERICAL -2- 5 L--4-- I-----
.587-022 STACKER LEATHER PROD -2- 2 S--4-- I-----
.487-014 COUNTER WATCH PARTS CLOCK / WATC -2- 2 S--4-6 I-----
.487-018 MAIL-ORDER FILLER RET TR WHOLE -2- 3 L--4-- I-----
.487-022 MOLD PICKER RUBBER GOODS -3- 3 M-34-- I-----
.387-034 LINEN-ROOM ATTENDANT HOTEL / REST -2P 4 M--4-- I-----
.387-090 STEEL CUTTER NONFER METAL -2P 4 M-34-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030 ODD-PIECE CHECKER KNIT GOODS -2- 2 L--4-- I-----
.887-034 PATTERN KEEPER WALLPAPER -2P 3 M--4-- I-----
.687-018 SAMPLE-DISPLAY PREPARER HOSIERY -2- 2 L--4-6 I-----
.687-030 TOOTH CLERK MEDICAL SER -2- 3 S----6 I-----
.687-034 BISQUE GRADER II POTTERY / PO -2P 3 L--4-6 I-----
.387-122 VAULT CLERK MOTION PIC H2- 5 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-014 CHECKER CLERICAL -2- 3 L--4-6 I-----
.488-010 MATERIAL-CONTROL-CLERK SPRING WIREW -3- 4 L--45- I-----
.487-010 CHECKER BAKERY PRODUCTS BAKE PROD -3- 4 L-34-- I-----
.388-014 INVENTORY CLERK CLERICAL -3- 4 L--4-6 I-----
.388-022 MERCHANDISE DISTRIBUTOR CLERICAL -3- 5 L----- I-----
.387-010 AUTOMOTIVE PARTS STOCK CLERK AIRCRAFT MFG H3P 5 L--4-- I-----

223. STOCK CHECKING AND RELATED WORK (CONT.)

.387-018 CHECKER	WATER TRANS	-3-	4	L--4--	I-----
.387-042 MATERIAL CLERK	CLERICAL	-3-	5	S--4--	I-----
.387-058 PARTS-ORDER CLERK	MOTOR TRANS	H2-	3	L--456	I-----
.387-066 PRESCRIPTION CLERK	OPTICAL GOOD	H3-	5	L--4--	I-----
.387-094 STOCK CLERK	CLERICAL	-3-	5	H-34--	I-----
.387-106 STOREKEEPER	WATER TRANS	-2-	5	L--4--	I-----
.387-114 TOOL CLERK	CLERICAL	-2-	5	L-34--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-038 STOCK SUPPLIER TYPE SOLDERERS	TYPEWRITERS	-2-	3	M--4--	I-----
.387-062 TRUCK CHECKER	CONST	-2-	3	L--4--	B---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 SAMPLE WORKER	ANY IND	-2P	3	L--4--	I-----
.587-010 EQUIPMENT-AND-ACCESSORIES ASSE	AIRCRAFT MFG	-3-	4	L--4--	I-----
.587-014 KITCHEN CLERK	HOTEL / REST	-3-	4	M-34-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.388-026 SPACE-AND-STORAGE CLERK	AMMUNITION	-3-	3	L--4--	I-----
.387-050 METAL CHECKER	ORE DRESS SM	-3-	5	L--4--	I-----
.387-062 PETROLEUM INSPECTOR	BUS SER	-3-	4	M234--	O-----7
.387-078 RETURNED-TELEPHONE-EQUIPMENT A	ELEC EQUIP	-2-	5	L--4--	I-----
.387-086 SAMPLE CLERK	GLASS MFG	-3-	4	L--4-6	I-----
.367-C10 MANAGER FLOOR	WHOLE TR	H-3	3	L--4--	I-----

224. WEIGHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 GARMENT WEIGHER	KNIT GOODS	-1-	2	L--4--	I-----
.887-014 ROPER	AGRIC	-1P	1	H-----	I-----
.687-014 FEATHER GRADER	HOUSE FURN	-2-	2	L--4--	I-----7
.587-030 PRODUCE WEIGHER	RET TR	H2-	1	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-018 SHADOWGRAPH-WEIGHT OPERATOR	SPORTS EQUIP	-2-	2	S--4--	I-----
.887-022 TARE WEIGHER	SUGAR	-2-	3	M-34--	I-----
.887-030 WEIGHER	ELEC EQUIP	-2-	2	M-----	I-----
.688-010 WEIGHT TAKER	AGRIC	-2-	3	L---56	I-----
.687-010 COMPOUNDER	RUBBER RECLA	-2-	3	M-34--	I-----7
.687-022 RUBBER COMPOUNDER	INSULATED WI	-2-	3	H--4--	I-----
.687-026 WEIGHER	TOBACCO	-2-	2	H--4-6	I-----
.687-030 WEIGHER PRODUCTION	ANY IND	-2-	2	M--4--	I-----
.588-010 COTTON WEIGHER	AGRIC	-2-	2	L-----	O-----
.587-018 CHECKER AND WEIGHER	CAN / PRESER	-2-	1	M--4--	B-----7

Material and Production Recording

PHYS.D WK COND
HRP SVP 123456 1234567

224. WEIGHING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.587-022 EMPTY-HOGSHEAD WEIGHER
.587-038 LIVESTOCK WEIGHER
.584-010 WEIGHER AND CHARGER
.488-010 WEIGHT-COUNT OPERATOR
.487-010 COUNTER-WEIGHER
.487-018 HOGSHEAD WEIGHER
.487-022 SCALER
.487-026 WEIGHER
.487-034 WEIGHER
.487-038 WEIGHER-UP

TOBACCO -2- 2 V-34-- I-----
WHOLE TR -2- 2 L--4-6 I-----
LINOLEUM -2- 4 V--4-6 I----67
ELECTRONICS -3P 3 S--4-6 I-----
TYPEWRITERS -3- 2 V--4-- I-----
TOBACCO -2- 2 L--4-6 I-----
RR TRANS -2- 2 S----- I-----
ANY IND -2- 2 M--4-- I-----
COOPERAGE -2- 2 L--4-- I-----
IRON / STEEL -2- 4 M--4-- B---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-026 WEIGHER
.687-018 RECEIVING WEIGHER
.587-010 BALANCE WEIGHER
.587-014 BATCH WEIGHER
.587-026 GRAIN WEIGHER
.587-034 WEIGHER
.487-030 WEIGHER
.487-042 WEIGHING-STATION OPERATOR

COAL TAR PRO -2- 3 H--4-- I-----
TOBACCO H3- 3 L--4-6 I-----
DRUG PREP -3- 3 M--4-6 I-----
FERTILIZER -2P 2 L--4-- I---5-7
GRAIN / FEED -2- 3 L--4-- I-----
CLERICAL -2- 1 L--4-- I-----
CLERICAL -2- 2 L--4-- I-----
GOV SER -3- 3 L--4-- B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.487-014 DOCK BOSS

MINING / QUA -3- 4 L--4-6 B-----

229. MATERIAL AND PRODUCTION RECORDING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.588-022 OUTSOLE SCHEDULER
.587-010 GREY-GOODS MARKER

BOOT / SHOE -1- 2 L--4-- I-----
TEXTILE -1- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.368-010 DISPATCHER MAINTENANCE

CLERICAL H3- 5 S--45- L-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 TICKETER
.588-010 COUNTER
.588-030 TICKET MARKER
.488-022 LUMBER SCALER

TEXTILE -2- 1 L--4-- I-----
AGRIC -2- 2 L---5- I----6-
WHOLE TR -2- 3 L--4-- I-----
WOODWORKING -2- 3 M234-6 B----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 GRAIN SAMPLER
.588-026 SHADE-TICKET MARKER
.587-018 SAMPLE CLERK

FINAN INST W -3- 3 H-34-- B-----
GARMENT -1- 3 L--4-6 I-----
TEXTILE -2P 3 M--4-6 I-----

229. MATERIAL AND PRODUCTION RECORDING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 CHART CHANGER	CLERICAL	-2-	3	L--45-	B-----
.588-018 OBSERVER WATER-SALES-MEASUREME	LIGHT HEAT	-2-	3	L--4-6	I-----
.388-026 ROAD CLERK	RR TRANS	-2-	4	L--4--	B-----
.388-030 ROADMASTER CLERK	RR TRANS	-3-	5	S--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.388-010 CAR CHECKER	R R TRANS	-3-	2	L--4-6	O-----
----------------------	-----------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.587-014 INSPECTOR SWEET POTATO	GOV SER	-2-	2	S----6	I-----
.488-010 ESTIMATOR	WOOD BOX	-2-	5	S--4--	I-----
.388-018 PARTS LISTER	ELECTRONICS	-3-	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.588-014 FILE-ROOM CUSTODIAN-AND-STABIL	CLERICAL	-2-	3	L--4--	I-----
.388-022 PROGRESS CLERK	CONST	-3-	1	L--4--	I-----
.387-010 BULK-PRODUCTS LOADER AND WEIGH	SUGAR	-3P	5	L234--	B-----

**INFORMATION AND MESSAGE
DISTRIBUTION (230.-239.)**

Occupations in this area are concerned with visitor reception, telephone call routing, distribution of mail, and delivery of verbal messages.

A majority of occupations in this area demand a moderate level of both language and mathematics development. Language demands derive largely from reading address information and from oral communication. Writing requirements are generally limited to routine record keeping, which may also involve simple numerical information such as payments data. Additional mathematical skills may involve weighing, measuring physical size, determining times, or other factors which govern communications charges.

A large proportion of the occupations in this area involve frequent contact with the public or with other workers. A pleasant manner and clear speaking voice are definite assets. A portion of the occupations in this area are heavily oriented toward the operation of mail preparation and handling machines. These occupations tend to have minimal language or mathematic demands, but can profit from modest mechanical capabilities for machine set-up and minor maintenance tasks.

Occupations in this area tend to have limited direct career advancement opportunity except through supervisory positions. However, occupations in this area frequently are located in settings with many other types of clerical and related work. Movement into these other clerical areas may open a variety of career opportunities.

PHYS.D WK COND
HRP SVP 123456 1234567

230. MESSENGER AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 HANDBILL PASSER	ANY IND	-1- 1	I--4-- O-----
.878-010 AID ROUTE	TEL / TEL	-2- 2	L--4-- I-----
.878-018 MESSENGER, COPY	PRINT / PUB	-2- 2	L----- B-----
.878-022 MESSENGER	CLERICAL	-2- 2	L--4-- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-014 MESSENGER, CASH	RET TR	-2- 2	L--45- I-----
.878-026 OFFICE HELPER	CLERICAL	-3- 2	L--45- B-----
.878-030 RUNNER	FINAN INST	-2- 2	L--4-- B-----
.868-010 TELEGRAPH MESSENGER	TEL / TEL	-2- 2	L--45- B-----
.368-010 TELEGRAPH MESSENGER	TEL / TEL	H3- 4	S--45- I-----

231. MAIL SORTING, STAMPING, RECORDING, ROUTING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.688-010 DISTRIBUTION CLERK	GOV SER	-3-	4	M--4-6	I-----
.687-010 EXPRESS MESSENGER	RR TRANS	-2-	2	H234--	I---5--
.687-014 SHIPPER	BUS SER	-2-	2	L-34--	I-----
.588-010 DIRECT-MAIL CLERK	CLERICAL	-3-	4	L--4--	I-----
.388-010 MAIL-ORDER SORTER	RET TR	-3-	2	M--4-6	I-----

232. CLERICAL WORK, POST OFFICE

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-010 POST-OFFICE CLERK	CLERICAL	H3-	4	L--456	I-----
.368-014 POST-OFFICE CLERK	GOV SER	H3-	4	M--456	I-----

233. MAIL DELIVERY

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.388-010 MAIL CARRIER	GOV SER	-3-	3	M--4-6	B-----
.388-014 RURAL-MAIL CARRIER	GOV SER	-3P	2	L--4-6	O-----

234. MAIL-PREPARING-AND MAIL-HANDLING-MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014 FOLDING-MACHINE OPERATOR	CLERICAL	-2-	2	L--4--	I-----
.885-018 INSERTING-MACHINE OPERATOR	CLERICAL	-2-	3	L--4--	I-----
.885-022 SEALING-AND-CANCELING-MACHINE	CLERICAL	-2-	2	L--4--	I-----
.885-026 WING-MAILER-MACHINE OPERATOR	PRINT / PUB	-2P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 ENVELOPE-SEALING-MACHINE OPERA	CLERICAL	-3-	3	S--4--	I-----
---	----------	-----	---	--------	--------

235. TELEPHONE WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.862-010 CENTRAL-OFFICE OPERATOR	TEL / TEL	H3P	3	L--45-	I-----
.862-014 GAMEWELL OPERATOR	GOV SER	-3-	3	S--456	I-----
.862-022 SWITCHBOARD OPERATOR POLICE DI	GOV SER	-3-	4	L--45-	I-----
.862-026 TELEPHONE OPERATOR	CLERICAL	H3-	3	S--456	I-----
.585-010 SWITCHING CLERK	TEL / TEL	-3P	4	L--4--	I-----

Information and Message Distribution

PHYS.D WK COND
HRP SVP 123456 1234567

235. TELEPHONE WORK (Cont.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.862-018 INFORMATION OPERATOR
.588-010 CLERK ROUTE

TEL / TEL H3- 3 S--45- I-----
TEL / TEL -3P 4 S--4-- I-----

236. TELEGRAPH WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.588-010 MORSE OPERATOR
.588-018 TELEGRAPHER AGENT

TEL / TEL -3P 5 S--4-- I-----
RR TRANS -3P 5 S--45- I-----

237. RECEPTION AND INFORMATION DISPENSING WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.368-042 REGISTRAR

GOV SER H2- 5 L--45- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-014 APPOINTMENT CLERK
.368-022 INFORMATION CLERK
.368-034 PAY-STATION ATTENDANT
.368-038 RECEPTIONIST
.368-046 REGISTRATION CLERK

CLERICAL H3- 3 S---5- I-----
CLERICAL H3- 4 S--45- I-----
CLERICAL H2- 5 S--45- I-----
CLERICAL H3- 5 S--45- I-----
GOV SER H3- 3 S---5- I-----

239. INFORMATION AND MESSAGE DISTRIBUTION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 TELEPHONE DIRECTORY DELIVERER
.588-014 CLERK DIRECTORY

BUS SER -2- 1 H--4-- O-----
TEL / TEL -2- 3 S--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 CALLER INDUSTRIAL
.688-010 CLERK INSPECTION
.687-010 TUEZ OPERATOR
.588-010 BOARD MARKER
.588-030 SERVICE OBSERVER
.587-010 MAILER
.587-014 MAILER APPRENTICE
.388-010 DISPATCHER MAINTENANCE SERVICE

ANY IND -2- 2 S---5- I-----
TEL / TEL -3- 4 S--4-- I-----
CLERICAL -2- 2 S--4-- I-----
FINAN INST -3- 2 L--45- I---5--
TEL. / TEL. H3- 4 L--4-- I-----
PRINT / PUB -3P 3 L--4-- I-----
PRINT / PUB -3P 3 L--4-- I-----
CLERICAL -3- 3 S--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.588-018 METER READER
.588-026 ROUTER

LIGHT HEAT -3- 4 L2---6 O-----
CLERICAL -3- 2 L--4-- I-----

**MISCELLANEOUS CLERICAL
WORK (240.-249.)**

Occupations in this area include adjusting claims and records, collecting and tracing accounts, and quoting prices and other information in a business setting.

A majority of the occupations in this area demand moderate language and mathematics capabilities. There are, however, scatterings of occupations where all cognitive demands are minimal, where only language or mathematics demands are more than minimal, and where some moderate demand for perceptual processing is present. Language demands derive largely from verbal communication to supply information for accounts and records or to supply information in response to requests. Mathematics demands derive largely from monetary exchange and financial record keeping.

A large proportion of these occupations involve contact with the public or fellow employees:

There are opportunities for moving into positions of increasing responsibility either with or without also assuming supervisory functions.

PHYS.D WK COND
HRP SVP 123456 1234567

240. COLLECTING

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 COLLECTOR

TEL / TEL -2- 2 L--45- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.468-010 LAY-AWAY CLERK

RET TR H3- 2 L----- I-----

.368-018 REPOSSESSOR

CLERICAL H3- 3 L---5- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 PARKING-METER COLLECTOR

GOV SER -2- 3 M--4-- O-----

241. ADJUSTING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-014 LOSS-OF-CLAIM CLERK

INSURANCE H3- 5 S--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.387-010 TIRE ADJUSTER

RET TR WHOLE H3- 4 M--456 I-----

Miscellaneous Clerical Work

PHYS.D WK COND
HRP SVP 123456 1234567

242. HOTEL DESK WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-010 HOTEL CLERK

HOTEL / REST H3- 4 L---5- I-----

243. CLERICAL WORK, DIRECT SERVICE, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.468-010 SALES-CHECK WRITER
.368-026 SERVICE CLERK
.368-030 TELEPHONE-QUOTATION CLERK
.368-034 WORK-ORDER-SORTING CLERK

RET TR H3- 2 S--4-- I-----
CLERICAL H3- 5 S--45- I-----
FINAN INST H2- 1 S--45- I-----
LIGHT HEAT -3- 5 S--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.368-014 LOST-AND FOUND CLERK

CLERICAL H3- 2 M--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.368-010 CALL CLERK
.368-018 LOST-AND-FOUND CLERK

GOV SER H3- 2 L---5- I-----
MOTOR TRANS H3- 4 S--4-6 I-----

249. MISCELLANEOUS CLERICAL WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CUTTER PRESS CLIPPINGS
.887-018 NEWSPAPER INSERTER

BUS SER -1- 2 S--4-- I-----
PRINT / PUB -1- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.688-014 PRODUCTION PROOFREADER
.368-046 FINGERPRINT CLERK
.368-054 LICENSE CLERK
.368-062 NEW-ACCOUNT CLERK

RET TR -2- 4 L--4-6 I-----
GOV SER -2P 2 L--45- I-----
GOV SER H2- 3 ---45- I-----
CLERICAL H3- 3 S---5- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.588-022 TICKET COUNTER

AMUSE / REC -2- 2 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 PROCESS SERVER
.868-014 VAULT ATTENDANT
.588-014 REGISTRATION CLERK
.588-016 SHEET WRITER
.588-018 STATION-HOUSE CLERK
.587-010 NOTE KEEPER
.587-014 PROPERTY CLERK

BUS SER -3- 3 L---5- B-----
BANKING H2- 2 M-345- I-----
GOV SER -3P 4 S----- I-----
AMUSE -2- 1 -----
GOV SER -3- 2 S--4-- I-----
ANY IND -3- 4 L--4-- O-----
GOV SER -3- 2 L--4-- I-----

249. MISCELLANEOUS CLERICAL WORK, N.E.C. (CONT.)

.388-010 ANALYST	RET TR	-3-	3	S-----	I-----
.388-014 COMPILER	CLERICAL	-3-	2	S-----	I-----
.388-018 CREDIT AUTHORIZER	CLERICAL	-3-	4	L-345-	I-----
.388-030 MAILING-LIST COMPILER	CLERICAL	-3P	4	S--4-6	I-----
.388-038 MESSENGER BANK	BANKING	-3-	4	L--4--	B-----
.388-042 METER READER	MOTOR TRANS	-3-	3	L--4--	I-----
.387-010 WATCH-AND-CLOCK-REPAIR CLERK	RET TR	-3-	5	S--4-6	I-----
.368-010 CLAIMS CLERK	INSURANCE	H3P	4	S--456	I-----
.368-014 CLERK ELECTORAL	GOV SER	H3-	2	S----6	I-----
.368-018 CONTRACT CLERK	LIGHT HEAT	H3-	5	S---5-	I-----
.368-066 NEW-ACCOUNTS TELLER	BANKING	H3P	5	L--45-	I-----
.368-074 RECONSIGNMENT CLERK	RR TRANS	-3-	3	S-----	I-----
.368-078 RELIGIOUS-AFFAIRS CLERK	NONPROFIT OR	-3-	4	L---5-	I-----
.368-086 SAFE-DEPOSIT CLERK	BANKING	H2P	5	L--4-6	I-----
.368-090 TEST TECHNICIAN	CLERICAL	H3-	5	S---5-	I-----
.268-014 SURVEY WORKER	CLERICAL	H3-	3	M--456	B-----
.168-014 LABOR EXPEDITER	CONST	H3-	3	L--45-	B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-010 CLERK-DRAFTER	CLERICAL	-2P	3	S--4-6	I-----
.588-010 MAP CLERK	AGRIC	-3-	3	S-----	O-----
.488-010 CHECKER DUMP GROUNDS	BUS SER	-3-	4	S-----	B-----

**SALESWORK, SERVICES AND
COMMODITIES (250.-289.)**

Occupations in this area include wholesale and retail sales. Duties include such things as displaying, demonstrating, and explaining merchandise; preparing sales slips or sales contracts; and taking inventory of stock.

All occupations in this area include at least moderate language and mathematics demands, and a fair proportion of them also require moderate perceptual processing to appreciate fully the characteristics of the product line sold--as in color coordination, pattern evaluation, and style. Language demands are heavily centered around the oral communications necessary to describe product features, discuss advantages and disadvantages of different available items, and persuade a potential customer to a particular point of view. Reading and understanding product literature is also a frequent requirement, depending upon product sophistication and variations available. Computational demands seldom exceed elementary arithmetic, and electronic devices are minimizing these demands. However, the price of expensive merchandise such as automobiles and mobile homes is often negotiable and special discounts and trade-ins may have to be considered. Arithmetic skills may also be needed for the preparation of credit applications, sales contracts, and tax data.

Skill at persuasive interaction with clients is almost universally important. Basic technical knowledge may be an asset where the customer may be interested in principles of operation, specifications, power consumption, materials, and the like.

Career advancement opportunities include senior sales positions, sales management, and buyer positions. These opportunities all tend to be associated with cognitive demands greater than are within the scope of this handbook.

PHYS.D WK COND
HRP SUP 123456 1234567

250. SALESWORK, REAL ESTATE AND INSURANCE

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-014 TOBACCO WAREHOUSE AGENT	WHOLE TR	H3-	3	L---5-	B-----
.358-018 MEMORIAL COUNSELOR	RET TR	H3-	2	L---5-	I-----

252. SALESWORK, BUSINESS AND FINANCIAL SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 LEASE BUYER	BUS SER	H3-	4	L---5-	B-----
.358-038 SALES REPRESENTATIVE, EXTERMIN	BUS SER	H3-	5	L--45-	B-----7

259. SALESWORK, SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES REPRESENTATIVE, DANCING EDUCATION H3P 4 L---5- I-----
.358-018 SALES REPRESENTATIVE, TELEVISI RET TR H3- 3 L---5- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.458-010 CRATING-AND-MOVING ESTIMATOR MOTOR TRANS H3- 5 L---5- I-----

260. SALESWORK, HORTICULTURAL AND NURSERY PRODUCTS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.458-010 SALESPERSON FLOWERS RET TR H3- 5 L--456 I2-4---

261. SALESWORK, AGRICULTURAL PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES AGENT, RAW WOOL WHOLE TR H3- 4 S---5- I-----

262. SALESWORK, FOODSTUFFS, BEVERAGES, AND TOBACCO

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES AGENT, FOOD PRODUCTS WHOLE TR H3- 5 L---5- B-----
.358-018 SALES ASSOCIATE, TOBACCO PRODU WHOLE TR H3- 5 L---5- B-----

263. SALESWORK, TEXTILES, TEXTILE PRODUCTS, AND APPAREL

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.458-010 SALESPERSON INFANTS AND CHILD R RET TR H3- 2 L--45- I-----
.458-014 SALESPERSON MENS AND BOYS CLOT RET TR WHOLE H3- 3 L--45- I-----
.458-018 SALESPERSON MILLINERY RET TR H3- 2 L--456 I-----
.458-022 SALESPERSON WOMENS GARMENTS RET TR WHOLE H3- 4 L--456 I-----
.458-026 SALESPERSON YARD GOODS RET TR H3- 3 L--456 I-----
.358-038 SALESPERSON FASHION ACCESSORIE RET TR H3- 5 L--45- I-----
.358-046 SALESPERSON MENS FURNISHINGS RET TR H3- 5 L--456 I-----
.358-050 SALESPERSON SHOE RET TR H3- 3 L--456 I-----

Saleswork, Services and Commodities

PHYS.D WK COND
HRP SVP 123456 1234567

265. SALESWORK, PAPER AND PAPER PRODUCTS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES ASSOCIATE, FOUNTAIN PENS WHOLE TR H3- 4 S---5- I-----
.358-018 SALES ASSOCIATE, PRESSURE-SENS WHOLE TR H3- 4 S---5- I-----

266. SALESWORK, CHEMICALS AND DRUG PREPARATIONS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-014 SALESPERSON COSMETICS AND TOIL RET TR H3- 4 L--456 I-----

267. SALESWORK, FUEL AND PETROLEUM PRODUCTS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES ASSOCIATE, FUEL WHOLE TR H3- 4 L---5- B-----

274. SALESWORK, HOUSEFURNISHINGS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-026 SALESPERSON CHINA AND GLASSWAR RET TR WHOLE H3- 2 L--45- I-----
.358-030 SALESPERSON CURTAIN AND DRAPER RET TR WHOLE H3- 4 L---56 I-----

276. SALESWORK, INDUSTRIAL, CONSTRUCTION, MINING, AND DRILLING EQUIPMENT

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-058 SALESPERSON GENERAL HARDWARE RET TR WHOLE H3- 3 L--45- I-----

280. SALESWORK, TRANSPORTATION EQUIPMENT

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.458-010 SALESPERSON AUTOMOBILE ACCESSO RET TR WHOLE H3- 5 L--45- I-----
.358-018 SALES ASSOCIATE, AUTOMOBILE PA WHOLE TR H3- 5 L---5- B-----
.358-026 SALES ASSOCIATE, HOUSE TRAILER RET TR H3- 5 S---5- I-----
.358-030 SALES ASSOCIATE, MARINE SUPPLI RET TR WHOLE H3- 5 L--456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-014 SALES ASSOCIATE, AUTOMOBILE RET TR H3P 5 L--45- B-----
.358-022 SALES ASSOCIATE, BOATS AND NAU RET TR WHOLE H3- 5 L--456 I-----

281. SALESWORK, BUSINESS AND COMMERCIAL MACHINES AND SUPPLIES

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES ASSOCIATE, BARBER AND BE WHOLE TR H3- 5 L--45- I-----
 .358-014 SALES ASSOCIATE, BOTTLES AND B WHOLE TR H3- 5 L--5- I-----
 .358-022 SALES ASSOCIATE, CORDAGE WHOLE TR H3- 5 L--456 I-----
 .358-034 SALES ASSOCIATE, SHOE LEATHER WHOLE TR H3- 5 L--5- B-----
 .358-038 SALES ASSOCIATE, VENDING AND C WHOLE TR H3- 4 L--5- B-----
 .158-010 SALES ASSOCIATE, PRINTING SUPP WHOLE. TR. H3- 5 L--5- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.458-010 SALES ASSOCIATE, COMMERCIAL EQ RET TR H3- 4 L--5- I-----
 .358-018 SALES ASSOCIATE, CHURCH FURNIT RET TR WHOLE H3- 5 L--45- I-----

282. SALESWORK, MEDICAL AND DENTAL EQUIPMENT, SUPPLIES, AND APPLIANCES

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.258-018 SALESPERSON SURGICAL APPLIANCE RET TR H3P 5 M--45- I-----

285. SALESWORK, PHOTOGRAPHIC EQUIPMENT AND SUPPLIES

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-010 SALESPERSON PHOTOGRAPHIC SUPPL RET TR WHOLE H3- 5 L--45- I-----

286. SALESWORK, AMUSEMENT AND SPORTING GOODS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 SALES ASSOCIATE, AMUSEMENT AND WHOLE TR H3- 4 L--5- B-----
 .358-014 SALES ASSOCIATE, HOBBIES AND C WHOLE TR H3P 5 S--5- I-----
 .358-018 SALESPERSON SPORTING GOODS RET TR WHOLE H3- 4 L--45- I-----

287. SALESWORK, MUSIC AND MUSICAL INSTRUMENTS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-018 SALESPERSON MUSICAL INSTRUMENT RET TR WHOLE H3P 5 L--45- I-----
 .358-022 SALESPERSON SHEET MUSIC RET TR H3- 5 L--45- I-----

Saleswork, Services and Commodities

PHYS.D WK COND
HRP SVP 123456 1234567

289. SALESWORK, COMMODITIES, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-022 SALES ASSOCIATE, HOUSE-TO-HOUS	RET TR	H3-	2	L--45-	B-----
.358-042 SALESPERSON BOOKS	RET TR	H3-	3	L--45-	I-----
.251-010 TOOL-RENTAL CLERK	BUS SER	H3-	2	H-345-	B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.458-014 SALESPERSON GENERAL	RET TR WHOLE	H3-	4	L--45-	I-----
.358-054 SALESPERSON STAMPS OR COINS	RET TR WHOLE	H3-	5	L--45-	I-----
.158-014 SALES ASSOCIATE, CONTAINERS	WHOLE TR	H3-	5	L---5-	I-----

**MISCELLANEOUS MERCHANDISING
WORK (290.-299.)**

Occupations in this area, like services and commodities sales, are concerned with sales transactions but with lesser requirements for product knowledge and persuasive abilities. Products or services tend to be relatively inexpensive, and the customer is able to determine choice without additional information, as is the case with a cashier-checker at a supermarket.

Cognitive demands are varied, but most typical is a combination of moderate requirements for language and mathematics. Language demands are primarily for oral communications, but may also include completion of sales records, inventory control forms, and purchase requisitions. Mathematical demands center around money exchanges, operation of cash registers, handling checks and credit cards, and using tables to determine taxes or unit costs. Point-of-sales terminals are reducing mathematical, especially computational, requirements.

Friendly contact with customers is essential for almost all occupations.

Career opportunities can include moving into commodity sales, sales management, and buyer positions--but typically demand a higher level of cognitive performance than is within the scope of this handbook.

PHYS.D WK COND
HRP SVP 123456 1234567

290. SALES CLERKING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.478-014 SALES CLERK RET TR H2- 3 L--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.468-018 SALES ATTENDANT RET TR H3- 2 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.877-010 SALESPERSON FOOD RET TR H3- 3 L--45- I-----

.478-010 COUPON-REDEMPTION CLERK CLERICAL H3- 3 L--456 I-----

.468-010 GROCER RET. TR. H2- 2 M--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.468-014 MANAGER BRANCH STORE CLEAN DYE H3- 3 L--45- B-----

291. PEDDLING

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.858-034 VENDOR AMUSE / REC H2- 2 M--45- B-----

Miscellaneous Merchandising Work

PHYS.D WK COND
HRP SVP 123456 1234567

291. PEDDLING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 NEWSPAPER CARRIER
.858-010 LEI SELLER
.858-014 LOUNGE-CAR ATTENDANT
.858-018 NEWSPAPER VENDOR, STREET
.858-022 PEDDLER
.858-026 PILLOW RENTER
.858-030 TAGGER

PRINT / PUB H2- 2 L--45- O-----
RET TR H2P 2 L--456 B-----
RR TRANS H3- 2 M2-45- I---5--
PRINT / PUB H2- 2 L--4-- O---5--
RET TR H2- 3 M-3456 O-----
MOTOR TRANS H2- 2 L--4-- I-----
NONPROFIT OR H2- 2 L---5- O-----

292. ROUTE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.468-010 LUNCH-TRUCK DRIVER

HOTEL / REST H2F 2 M--456 B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 DRIVER HELPER, SALES ROUTE
.483-010 COIN-VENDING-MACHINE COLLECTOR
.383-010 NEWSDEALER, DELIVERY-DRIVER
.358-010 DRIVER, SALES ROUTE

ANY IND -3- 2 M234-- I---5--
BUS SER -3P 3 M-34-- I-----
PRINT / PUB -2P 4 M--4-6 I-----
ANY IND H3P 5 H--456 B-----

293. CANVASSING AND SOLICITING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.358-010 CONTRIBUTION SOLICITOR
.358-030 TELEPHONE SOLICITOR

NONPROFIT OR H3- 2 L--45- B-----
ANY IND H3- 3 S---5- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.258-010 OLD-GOLD BUYER

WHOLE TR H3- 3 L--456 I-----

296. SHOPPING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-010 CAR LOCATOR

RET TR H3- 3 S---5- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.358-010 PERSONAL SHOPPER

RET TR H3- 5 L---52 -----

297. DEMONSTRATING AND MODELING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.868-010 MODEL

GARMENT RET H2- 3 L--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.458-010 DEMONSTRATOR

RET TR WHOLE H3- 3 L--45- I-----

298. DISPLAY WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-010 BILLPOSTER

ANY IND H3- 3 M2-45- O----6-

.884-010 ADVERTISING-DISPLAY ROTATOR

BUS SER -2P 2 M234-- O-----

299. MISCELLANEOUS MERCHANDISING WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CLOCK OPERATOR TOBACCO AUCTION

WHOLE TR -1- 1 L--45- I-----

.887-016 COAL HIKER

RET TR -1- 2 M--4-- O-----

.887-018 PORTER SAMPLE CASE

WHOLE TR -2- 2 M--4-- B-----

.887-022 SAMPLE DISTRIBUTOR

BUS SER -1- 2 L2-45- O-----

.887-026 SANDWICH BOARD CARRIER

ANY IND -1- 1 M----- O---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.848-010 PROMOTION CHARACTER

ANY IND H3- 2 L---5- B-----

.848-014 SANTA CLAUS

ANY IND H2- 2 L---5- B-----

.468-014 CLOTHING CONSULTANT

RET TR H2- 2 L---5- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 CLOTHING INSPECTOR

NONPROFIT OR -2- 3 L--4-- I-----

.687-014 FURNITURE INSPECTOR

RET TR -3- 4 L-34-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.867-010 PLATFORM ATTENDANT

ICE H3P 3 V-34-- I2----7

.864-010 SKATE-SHOP ATTENDANT

AMUSE / REC H3P 3 L--456 I-----

.858-010 CIGARETTE VENDOR

HOTEL / REST H3- 1 L--45- I-----

.848-018 SOUND-TRUCK OPERATOR

AMUSE / REC H2P 2 L--45- I-----

.478-010 CONTACT-LENS TECHNICIAN

RET TR H3P 3 S--45- I-----

.478-014 DELIVERER, MERCHANDISE

RET TR H3P 3 M234-- B-----

.468-010 CASHIER-CHECKER

RET TR H2P 2 M--45- I-----

.468-018 FARMER-ROOM ATTENDANT

WHOLE TR H2- 3 S---5- I-----

.468-022 WILL-CALL CLERK

RET TR H3- 3 L--4-- I-----

.368-014 DISTRICT CIRCULATOR

PRINT / PUB -3P 5 L--4-6 I-----

Miscellaneous Merchandising Work

PHYS.D WK COND
HRP SVP 123456 1234567

299. MISCELLANEOUS MERCHANDISING WORK, N.E.C. (Cont.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-030 STOCK GATHERER, WOMEN'S APPARE RET TR -2P 2 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-010 CARPET-LAYER HELPER RET TR -2P 3 H-34-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 DRAPERY HANGER RET TR -3P 5 M--4-- I-----

.884-014 OPTICIAN DISPENSING RET TR H3P 3 L--456 I-----

.877-010 BICYCLE-STAND ATTENDANT AMUSE / REC H3- 3 L---5- B-----

.587-010 BAKERY CLERK RET TR H3- 4 L-345- I2-----

(3.) SERVICE
OCCUPATIONS

(3.) SERVICE OCCUPATIONS

DOMESTIC SERVICES (301.-309.)

Occupations in this area are concerned with cleaning, laundry, ironing, cooking, yardwork, and similar activities in and around a private household. Many of these occupations provide services to different households on an intermittent (e.g., weekly) basis.

Most of the occupations in this area have minimal cognitive demands. A substantial minority combine moderate language and mathematics demands. Language demands can include interpretation of verbal instructions, telephone and visitor protocol, and responding to guests being served at social occasions. Mathematical requirements can include keeping household accounts, planning food and other provisions against probable use, and following measurement and time instructions in cooking.

A significant portion of domestic service occupations have psychomotor skill demands, often associated with operation of sewing or ironing machines. Ability to interact effectively with household heads, visitors, and children is commonly essential to the work. Knowledge of sanitation and health practices, nutrition, gardening, and effective child care can be a definite asset.

Career progression opportunities are generally limited to the largest and most elaborate households.

PHYS.D WK COND
HRP SVP 123456 1234567

301. DAY WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DAY WORKER

DOM SER H3P 2 L-34-- I-----

302. LAUNDRY WORK, PRIVATE FAMILY

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 IRONER

DOM SER -1P 2 L-34-- I-----

.887-014 LAUNDERER I

DOM SER -3- 2 L-34-- B-----

.887-018 LAUNDERER II

DOM SER -2- 2 M--4-- I--4---

303. HOUSEKEEPING, PRIVATE FAMILY

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-014 HOUSEWORKER, FARM

DOM SER H3P 2 M--4-- B-----

Domestic Services

PHYS.D WK COND
HRP SVP 123456 1234567

303. HOUSEKEEPING, PRIVATE FAMILY (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 FARM HOUSEKEEPER DOM SER H3P 2 M--4-- B-----

304. HOUSEMEN AND YARD WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CARETAKER DOM SER -3P 2 M--4-- B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-014 YARD WORKER DOM SER -3P 2 M-34-- O-----

306. HOUSEWORK, DOMESTIC

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 MOTHERS HELPER DOM SER H3P 2 L-34-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 HOUSEWORKER, GENERAL DOM SER H3P 3 L-34-- I-----

307. NURSEMAID WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 CHILD MONITOR DOM SER H3P 2 L--45- I-----

309. DOMESTIC SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 COACH DRIVER DOM SER H2- 3 L--4-- I-----

.878-030 LADY'S ATTENDANT DOM SER H3- 2 L--456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-022 BUTLER, SECOND DOM SER H3- 3 L--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 CLOTHING MAINTENANCE SPECIALIS DOM SER H3P 3 L--4-- I-----

.878-018 COMPANION DOM SER H3- 2 L--45- I-----

.878-026 FOSTER PARENT DOM SER H3- 2 L-34-- I-----

.878-034 GENTLEMEN'S ATTENDANT DOM SER H3- 3 L--4-- I-----

**FOOD AND BEVERAGE PREPARATION
AND SERVICE (310.-319.)**

Occupations in this area are concerned with preparing foods and beverages and serving them to patrons of such establishments as hotels, restaurants, clubs, and cocktail lounges.

A majority of the occupations in this area have only minimum cognitive demands. A substantial proportion of them, however, demand moderate language and mathematics capabilities. Language demands involve taking food orders and passing instructions within a kitchen. Reading may involve the interpretation of menus or recipes. Writing may include the abbreviated menu entries of the type used to communicate food orders within an establishment. Understanding of special food terminology may be necessary in establishments which serve nationality food dishes, wines, or other relatively uncommon foods or beverages. Mathematical demands are generally limited to totalling a check, applying units of measure to a recipe, and increasing or decreasing the measures of a recipe to prepare an appropriate amount of food.

Regular contact with customers or other members of the food team is typical. Health certificates are frequently required to indicate freedom from communicable diseases.

Career progression opportunities in smaller low-priced establishments are mostly limited to assumption of owner or general management roles. In larger and higher-priced establishments there may be opportunities to move into a variety of responsible roles on the service and cooking staffs.

PHYS.D WK COND
HRP SVP 123456 1234567

310. FOOD AND BEVERAGE SERVICE, EXCEPT SHIP STEWARDS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 HOST/HOStESS, RESTAURANT OR CO HOTEL / REST H3- 2 L---5- I-----

311. FOOD SERVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 DINING ROOM ATTENDANT	HOTEL / REST H2-	2	M-345-	I-----
.878-018 COOK STEAM TABLE	RR TRANS	H2-	3	M2-4-- I-345--
.878-022 COUNTER ATTENDANT, CAFETERIA	HOTEL / REST H2-	3	L--45-	I-----
.878-030 CUB OPERATOR	HOTEL / REST H2-	3	L--45-	I-----
.878-034 CAFETERIA ATTENDANT	HOTEL / REST H2-	2	L--4--	I-----
.878-038 RAW SHELLFISH PREPARER	HOTEL / REST H2P	2	L--45-	I-----
.878-046 WAITER/WAITRESS, BUFFET	HOTEL / REST H1-	3	L--4--	I-----
.878-070 WAITER/WAITRESS, CAMP	ANY IND	H2-	2	L--45-
.878-074 WAITER/WAITRESS, TAKE OUT	HOTEL / REST H2-	3	L--45-	I-----

Food and Beverage Preparation and Service

PHYS.D WK COND
HRP SVP 123456 1234567

311. FOOD SERVICES (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.878-026 COUNTER ATTENDANT, LUNCHROOM HOTEL / REST H2- 3 L--45- I-----
.878-062 WAITER/WAITRESS, OUTSIDE DELIV HOTEL / REST H2P 3 L--45- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-014 CAR HOP HOTEL / REST H2- 2 L--45- O-----
.878-042 WAITER/WAITRESS, BAR HOTEL / REST H2- 3 L--45- I-----
.878-050 WAITER/WAITRESS, DINING CAR RR TRANS H2- 3 M2-45- I---5--
.878-054 WAITER/WAITRESS, FORMAL HOTEL / REST H3- 3 L--45- I-----
.878-058 WAITER/WAITRESS, INFORMAL HOTEL / REST H3- 3 L2-45- I-----
.878-066 WAITER/WAITRESS, ROOM SERVICE HOTEL / REST H2- 3 L--45- I-----

312. BARTENDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BARTENDER HELPER HOTEL / REST -2- 2 M-345- I-----
.887-014 TAPROOM ATTENDANT HOTEL / REST -1- 1 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.878-014 BARTENDER HOTEL / REST H3- 3 L--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 BAR ATTENDANT HOTEL / REST H3- 2 L--45- I-----

313. COOKING, LARGE HOTELS AND RESTAURANTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COOK HELPER PASTRY HOTEL / REST -2- 3 H-34-- I23--6-
.884-010 BAKER HELPER HOTEL / REST -2- 3 H-34-6 I-3--6-
.381-030 COOK BARBECUE HOTEL / REST -3- 5 M-34-- I-3--6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.381-042 COOK SPECIALTY FOREIGN FOOD HOTEL / REST H3- 4 M--4-- I-3--6-

314. COOKING, SMALL HOTELS AND RESTAURANTS

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 COOK, SHORT ORDER II HOTEL / REST H3- 3 L--45- I-----
.781-010 COOK SPECIALTY HOTEL / REST H3- 5 M--456 I-3----

316. MEATCUTTING, EXCEPT IN SLAUGHTERING AND PACKING HOUSES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 DELI CUTTER-SLICER

RET TR -2P 3 L--4-6 I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 BUTCHER CHICKEN AND FISH

HOTEL / REST -3P 4 H--4-6 I2-4-67

317. MISCELLANEOUS FOOD AND BEVERAGE PREPARATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018 PACKER

HOTEL / REST -2- 3 L--4-- I-----

.884-010 COFFEE MAKER

HOTEL / REST -2- 3 M--4-- I-3----

.884-014 SALAD MAKER

WATER TRANS -3- 5 L--4-- I-----

.884-022 SANDWICH MAKER

HOTEL / REST H2- 4 L--4-- I-3----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 PANTRY GOODS MAKER HELPER

HOTEL / REST -2- 3 M-34-6 I234-6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-014 FORMULA-ROOM WORKER

MEDICAL SER. -3- 3 L--4-- I-----

318. KITCHEN WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 KITCHEN HELPER

HOTEL / REST -2- 2 H-345- I-34-67

.887-014 SCULLION

WATER TRANS -2- 3 H--4-- I--4-6-

.887-018 SILVER WRAPPER

HOTEL / REST -1- 1 M--4-- I-----

319. FOOD AND BEVERAGE PREPARATION AND SERVICE, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COUNTER-SUPPLY WORKER

HOTEL / REST -2- 2 M--4-- I-----

.884-010 FOOD ASSEMBLER COMMISSARY KITC

HOTEL / REST -2- 2 L--4-- I-----

.874-010 CATERER HELPER

PER SER H2- 3 L--45- I-----

.468-010 ORDER CLERK FOOD AND BEVERAGE

HOTEL / REST H2- 3 S--45- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.878-010 FOUNTAIN SERVER

HOTEL / REST H3- 3 L--45- I-----

.468-014 FOOD ORDER EXPEDITER

HOTEL / REST H2- 3 L--456 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.864-010 AUTOMAT-CAR ATTENDANT

RR TRANS H3- 3 L--45- I---5--

**LODGING AND RELATED
SERVICE (323.-329.)**

Occupations in this area include cleaning; general upkeep; making beds and changing linen; delivery of ice and beverages; carrying packages or luggage; running errands; and escorting clients to rooms in hotels, motels, restaurants, hospitals, and similar establishments. The number of occupational titles is small but there are likely to be numerous positions under each title in metropolitan areas.

Opportunities are spread among occupations with only minimum cognitive demands, with only moderate mathematics demands, and with both moderate language and mathematics demands. Language demands stem from oral communication with patrons to define desired services and recording of services for purposes of billing. Mathematics demands derive from computing charges for services.

Bellpersons and others in related positions come into frequent contact with the public. Persons in housekeeping positions do not usually have regular direct contact with the public, and these positions also tend to have minimum cognitive demands.

Opportunities for career advancement tend to be limited in this area except for possible movement from housekeeping to more direct client service and into supervisory positions in organizations employing a large service staff.

PHYS.D WK COND
HRP SVP 123456 1234567

323. MAID AND RELATED SERVICES, HOTELS, RESTAURANTS, AND RELATED

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018 CLEANER, HOSPITAL

MEDICAL SER -2- 2 L-34-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 HOUSE CLEANER

HOTEL / REST -2- 3 H234-- I-----

.887-014 CLEANER, HOUSEKEEPING

ANY IND -2- 2 L234-- I--4---

324. BELLMAN AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-018 DOORKEEPER

ANY IND H3- 2 M--45- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 BAGGAGE PORTER

HOTEL / REST H3- 2 H2345- I-----

.878-014 BELLHOP

HOTEL / REST H3- 2 M--45- I-----

.878-022 ROOM-SERVICE CLERK

HOTEL / REST H3- 2 L--4-- I-----

PHYS.D WK COND
HRP SVP 123456 1234567

329. LODGING AND RELATED SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CAMP ATTENDANT

ANY IND

-2- 2 M234- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 ATTENDANT LODGING FACILITIES

HOTEL / REST H3-

2

M-345-

I-----

.478-010 RECEIVING-ROOM CLERK

HOTEL / REST -3-

2

M--45-

I-----

**BARBERING, COSMETOLOGY, AND
RELATED SERVICES (330.-339.)**

Occupations in this area are concerned with providing personal grooming services to individuals. Typical of the services are cutting and shaping hair, providing shampoo and scalp treatments, shaping and polishing fingernails, and providing massages at reducing salons or health facilities. While there are only twelve occupations listed, the number of employment opportunities are quite large for some of the occupations.

Most of the occupations have a moderate level of demand for language skills due to the need to interpret a customer's instructions and to carry out the casual conversation that is typical of the work relationship with a customer. Where mathematics demands are present, they are most often in regard to the need to deal with money and make change or prepare tinting or bleaching solutions according to formulas and using a variety of measures. Perceptual processing demands center around the performance of such tasks as shaping fingernails to an appropriate contour and coordinating a customer's hair style with facial features and to specific instructions.

All of the occupations involve direct contact with the public and therefore have a moderate level of demand in the area of human relations. Psychomotor skill is required by most of the occupations, generally in regard to finger dexterity and the use of scissors, razors, and similar instruments in the performance of services for the customer.

Opportunities for career progression are rather limited except for possible movement into ownership of smaller establishments or into management aspects of larger establishments.

PHYS.D WK COND
HRP SVP 123456 1234567

330. BARBERING AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.371-010 BARBER	PER SER	H3P 5 L--4-6 I-----
.371-014 BARBER APPRENTICE	PER SER	H3P 5 L--4-6 I-----

331. MANICURING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.878-010 MANICURIST	PER SER	H2P 3 S--4-6 I-----
---------------------	---------	---------------------

334. MASSEUR AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 REDUCING-SALON ATTENDANT PER SER H2- 2 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-010 RUBBER PER SER H2P 2 M--45- I-24-6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 MASSEUR PER SER H2P 3 M--45- I-----

335. BATH ATTENDANT WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 COOLING-ROOM ATTENDANT PER SER H2- 2 L-345- I-----

.878-014 HOT-ROOM ATTENDANT PER SER H2- 2 M--45- I-34---

339. BARBERING, COSMETOLOGY, AND RELATED SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 REDUCING-MACHINE OPERATOR PER SER H2- 2 L----- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 SUPPLY CLERK PER SER H3- 3 L--4-- I--4---

.371-014 SCALP-TREATMENT OPERATOR PER SER H2P 4 L--456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.868-010 TATTOO ARTIST PER SER H3P 3 S--456 I-----

**AMUSEMENT AND RECREATION
SERVICES (340.-349.)**

Occupations in this area provide services to clients of facilities such as bowling alleys, golf courses, skating rinks, theaters, amusement parks, and sport stadiums.

A majority of these occupations make moderate demands for both language and mathematics. There are also substantial numbers of opportunities in occupations which make only minimum cognitive demands and in occupations which make moderate cognitive demands only for mathematics. Language demands primarily involve oral communications about available and desired services and their costs. Mathematics demands center on the collection of money and the making of change.

Regular contact with the public is characteristic of these occupations. Psychomotor skills are sometimes necessary to demonstrate techniques. Mechanical skills can be an asset for routine maintenance of rides and similar equipment.

Occupations in this area are frequently seasonal. Opportunities for career progression are usually quite limited except for movement into supervisory or management positions.

PHYS.D WK COND
HRP SVP 123456 1234567

340. BOWLING ALLEY AND BILLIARD PARLOR SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 PIN SETTER

AMUSE / REC -2- 1 M-34-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-014 RACKER

AMUSE / REC H2- 2 L--45- I-----

.368-010 DESK CLERK, BOWLING FLOOR

AMUSE / REC H3- 3 L--45- I-----

341. GOLF COURSE, TENNIS COURT, SKATING RINK, AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 GOLF-RANGE ATTENDANT

AMUSE / REC -2- 2 M-34-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 CADDIE

AMUSE / REC H3- 2 H--4-6 O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.865-010 SKI-TOW OPERATOR

AMUSE / REC H3P 3 L--45- O-----

.368-010 RECREATION-FACILITY ATTENDANT

AMUSE / REC H3- 3 L---5- B-----

342. AMUSEMENT DEVICE AND CONCESSION WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.867-014 BOAT ATTENDANT

AMUSE / REC H2- 3 L23456 O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 RIDE ATTENDANT

AMUSE / REC H2- 2 L--45- O-----

.877-010 CABANA ATTENDANT

AMUSE / REC H3- 3 M-345- O-----

.867-010 BOAT-DOCK OPERATOR

AMUSE / REC H3- 3 L23456 O--4---

.867-018 WHARF ATTENDANT

AMUSE / REC H3P 3 M23456 O--4-6-

.865-010 FUN-HOUSE OPERATOR

AMUSE / REC H3- 3 L--45- B---5--

.863-010 RIDE OPERATOR

AMUSE / REC H3P 3 L--45- O-----

.858-014 BARKER I

AMUSE / REC H2- 2 L---5- O-----

.858-018 CONCESSION ATTENDANT

AMUSE / REC H3- 3 L--45- B-----

.858-022 SHILL

AMUSE / REC H3- 2 L--4-- B-----

.858-026 SHOOTING-GALLERY OPERATOR

AMUSE / REC H3- 3 L--456 O-----

.858-030 WEIGHT GUESSER

AMUSE / REC H3- 3 L--456 O-----

343. GAMBLING HALL SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 CARDROOM ATTENDANT

AMUSE / REC H2- 2 L---5- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 PLASTIC-CARD GRADER CARDROOM

AMUSE / REC -2- 4 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.858-010 BOOSTER

AMUSE / REC H3- 2 L---5- I-----

.468-010 CARDROOM ATTENDANT

AMUSE / REC H3- 4 L--45- I-----

.468-014 BINGO CHECKER

AMUSE / REC H2- 2 L--45- I-----

.468-018 GAMBLING DEALER

AMUSE / REC H3- 3 M--456 I-----

.468-022 DICE-GAME ATTENDANT

AMUSE / REC H3- 2 L--456 I-----

.368-010 CARD PLAYER

AMUSE / REC H3- 4 S--4-- I-----

344. USHERING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-018 SPOTTER II

AMUSE / REC H1- 2 L--45- I-----

.868-010 TICKET TAKER

AMUSE / REC H2- 2 L--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 LOBBY ATTENDANT

AMUSE / REC H3- 2 L--45- I-----

.878-022 USHER

AMUSE / REC H2- 2 L---5- I-----

Amusement and Recreation Services

PHYS.D WK COND
HRP SVP 123456 1234567

344. USHERING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-014 PRESS-BOX CUSTODIAN
.138-010 USHER HEAD

AMUSE / REC H3- 2 L--4-- I-----
AMUSE / REC H3- 4 L--5- B-----

346. WARDROBE AND DRESSING-ROOM SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 DRESSER
.878-018 JOCKEY VALET
.878-022 SECOND
.878-030 WARDROBE ATTENDANT

PER SER -1- 2 L--4-- I--4---
AMUSE / REC -2- 3 L--4-- O-----
AMUSE / REC -2- 3 S-34-- I---5--
AMUSE / REC -2- 3 L--456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 DRESSER
.878-026 STAND-BY
.878-034 WARDROBE SUPERVISOR
.878-038 COSTUMER ASSISTANT
.687-010 COLORS KEEPER

AMUSE / REC -2- 3 L--4-6 I-----
MOTION PIC -2- 2 L--4-- I-----
AMUSE / REC -2- 3 L--456 I-----
MOTION PIC R -2P 3 L--4-6 I-----
AMUSE / REC -2- 1 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 JOCKEY-ROOM CUSTODIAN

AMUSE / REC H3- 3 L---56 I-----

349. AMUSEMENT AND RECREATION SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 BAT KEEPER
.878-014 CHILDREN'S ATTENDANT

AMUSE / REC -2- 2 L-34-- O-----
AMUSE / REC H2- 2 L---56 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.368-014 RECEIVING-BARN CUSTODIAN

AMUSE / REC H3- 3 L---56 B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.780-010 TICKET DISPENSER CHANGER

AMUSE / REC -3- 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-018 DRIVE-IN THEATER ATTENDANT
.868-010 HOSTESS
.868-014 HOSTESS HEAD
.685-010 SCOREBOARD OPERATOR

AMUSE / REC H2- 2 L--456 C-----
AMUSE / REC H3P 2 L2--- I-----
AMUSE / REC H3- 2 L---5- I-----
AMUSE / REC H3- 3 S---56 B-----

**MISCELLANEOUS PERSONAL
SERVICES (350.-353. & 357.-359.)**

Occupations in this area are concerned with rendering a variety of personal services to the passengers of transportation systems, such as handling baggage and serving food, and with escorting and/or providing guide services to individuals and groups on tour through places of interest.

A majority of the occupations require moderate language capabilities or a combination of moderate language and mathematics capabilities. Language demands most often stem from a need to verbally communicate with passengers to determine destinations or lodging requirements, interpret luggage and ticketing materials, provide verbal descriptions of points of interest, or respond to questions posed by travelers or sightseers. Mathematics requirements most often are in regard to maintaining records and tabulations of passenger data and computing or measuring weights and charges for luggage or other passenger services.

A moderate level of human relations capability is demanded by a majority of the occupations as a result of the need to interact directly with the public. Income from tips is strongly associated with human relations capabilities in many of the occupations.

Career progression opportunities are generally limited even in the larger transportation and tourist facilities. New technology in transit and baggage handling systems is likely to offset any job opportunities which would accrue from increased use of transportation facilities for business and leisure travel.

PHYS.D WK COND
HRP SVP 123456 1234567

350. SHIP STEWARD SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 MESS ATTENDANT WATER TRANS H2- 3 M2-45- I-----
.878-022 STEWARD/STEWARDESS, BATH WATER TRANS H2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-010 PASSENGER ATTENDANT WATER TRANS H2- 5 M--45- I-----
.878-018 STEWARD/STEWARDESS WATER TRANS H2- 3 M-345- B-----
.878-034 WAITER/WAITRESS WATER TRANS H2- 3 H2-45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-026 STEWARD/STEWARDESS, WINE WATER TRANS H2- 3 M--4-- I-----
.878-030 STEWARD/STEWARDESS WATER TRANS H2- 3 L2345- I-----
.368-010 STEWARD/STEWARDESS, LIBRARY WATER TRANS H3- 5 M--45- I-----

Miscellaneous Personal Services

PHYS.D WK COND
HRP SVP 123456 1234567

351. RAIL PASSENGER SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 TRAIN ATTENDANT RR TRANS H2- 2 M2-4-- I-----

352. HOSTESS AND STEWARD SERVICE, N.E.C.

Language	Mathematics	Perceptual Processing
MODE RATE	MINIMUM	MINIMUM

.878-018 CLUB ATTENDANT HOTEL / REST H3- 3 L----- I-----

.868-014 PARLOR CHAPERON HOTEL / REST H3- 2 L---5- I-----

Language	Mathematics	Perceptual Processing
MODE RATE	MODE RATE	MINIMUM

.878-010 AIRPLANE FLIGHT ATTENDANT AIR TRANS H3- 3 L2-45- I---5--

.878-014 BUS ATTENDANT MOTOR TRANS H3- 2 L2-45- I-----

.878-022 PASSENGER ATTENDANT, TRAIN RR TRANS H3- 3 L2-45- ---5--

.868-010 HOST/HOYESS ANY IND H3- 2 L---5- I-----

353. GUIDE SERVICE, EXCEPT HUNTING AND FISHING

Language	Mathematics	Perceptual Processing
MODE RATE	MINIMUM	MINIMUM

.868-014 ESCORT ANY IND H2- 2 L----- I-----

.868-018 TRUCK ESCORT ANY IND H2- 2 L---5- B-----

Language	Mathematics	Perceptual Processing
MODE RATE	MODE RATE	MINIMUM

.868-010 DUDE WRANGLER AMUSE / REC H3- 2 M2-45- O-----

.368-014 GUIDE PER SER H3- 3 L---5- I-----

.368-022 GUIDE FACTORY ANY IND H3- 3 L---5- B-----

.368-026 GUIDE SIGHTSEEING PER SER H3P 4 L--456 I-----

357. BAGGAGE PORTER SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-010 PORTER AIR TRANS MO H1- 2 H--45- B---5--

358. CHECKROOM, LOCKER ROOM, AND RESTROOM SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CHANGE-HOUSE ATTENDANT ANY IND -1- 2 M--4-- I--4---

.878-018 CLUBHOUSE ATTENDANT AMUSE / REC H2- 2 L-34-- B-----

.878-022 LOCKER-ROOM ATTENDANT PER SER H2- 3 L--4-6 I-----

.878-030 REST-ROOM ATTENDANT ANY IND H2- 2 L-34-- I-----7

358. CHECKROOM, LOCKER ROOM, AND RESTROOM SERVICES (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-014 CHECKROOM ATTENDANT ANY IND H2- 2 L--45- I-----
.878-026 FACTORY STAFF ATTENDANT ANY IND H2- 2 L-3--- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 BAGGAGE CHECKER MOTOR TRANS H2- 3 M-34-- I-----

359. MISCELLANEOUS PERSONAL SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PALLBEARER PER SER -1- 1 H--4-- B-----
.885-010 CREMATOR PER SER -2- 3 M--4-- I-3---7
.878-030 WATER CARRIER AGRIC -1- 2 M--4-- O----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 CHAUFFEUR FUNERAL CAR PER SER H2P 4 H--4-6 I-----
.878-014 CHILD-CARE ATTENDANT GOV SER H3- 3 M--456 I---5--
.878-018 FUNERAL ATTENDANT PER SER H3- 3 M--45- I-----
.878-022 KINDERGARTNER ANY IND H3- 3 L--45- I-----
.878-026 TEACHER NURSERY SCHOOL ANY IND H3- 4 L--45- I---5--
.868-010 CHAPERON PER SER H3- 2 L--56 I-----
.868-014 ESCORT PER SER H3- 2 L--5- I-----
.868-018 HALL ATTENDANT ANY IND H3- 2 L--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 BLIND AID PER SER H3P 3 L--456 I-----
.873-010 CHAUFFEUR DOM SER H2P 3 L--4-6 I-----

**PRACTICAL NURSING, ATTENDANT WORK,
AND RELATED SERVICES (354.-355.)**

Occupations in this area provide routine care and therapeutic services to patients, including giving baths, feeding, attending to physical comfort and appearance, assisting women in childbirth, and providing similar services where licensing is not required.

Most occupations in this area demand moderate language and mathematics capabilities, although there are lesser numbers of opportunities demanding moderate mathematics only and a few demanding only minimum cognitive capabilities. Language demands center around understanding and responding properly to patient requests and understanding the instructions of supervisory personnel. Instructions commonly include specialized medical and health terminology and the ability to read medical terms can be critical to the avoidance of mistakes which might jeopardize the well-being of a patient. Mathematics demands may include measuring patient characteristics such as temperature, pulse, and blood pressure; measuring substances to be administered to the patient; and recording quantitative data on charts and other records. Arithmetic procedures are usually not difficult but accuracy is tremendously important.

A supportive interaction with patients is almost always important. Knowledge of the basic principles of sanitation and health may be required.

Career progression is almost always a matter of achieving a higher level of independent responsibility, although these occupations even at the highest levels are almost invariably performed under the direct cognizance of health professionals.

PHYS.D WK COND
HRP SVP 123456 1234567

354. UNLICENSED MIDWIFE AND PRACTICAL NURSING SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.878-018 BIRTH ATTENDANT

MEDICAL SER H3- 4 M--456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 FIRST-AID ATTENDANT

ANY IND H3- 3 M--456 B-----

.878-014 HOME ATTENDANT

PE SER H3- 3 L--4-- B-----

.878-022 NURSE PRACTICAL

MEDICAL SER H3- 4 H-345- I-----7

355. ATTENDANT WORK, HOSPITALS, MORGUES, AND RELATED HEALTH SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.878-014 ATTENDANT PHYSICAL THERAPY

MEDICAL SER H3- 3 L--4-- I-----

355. ATTENDANT WORK, HOSPITALS, MORGUES, AND RELATED HEALTH SERVICES (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 MORGUE ATTENDANT	MEDICAL SER	-2-	3	M--4--	I-----
.878-018 CHILD-CARE ATTENDANT SCHOOL	PER SER	H3-	2	M-3456	I-----
.878-026 EMERGENCY-ENTRANCE ATTENDANT	MEDICAL SER	H2-	2	M-345-	I-----
.687-010 CLOTHES-ROOM WORKER	MEDICAL SER	-2-	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 AMBULANCE ATTENDANT	MEDICAL SER	H3-	4	V-34--	I-----
.878-022 COTTAGE PARENT	MEDICAL SER	H3-	3	L--456	B-----
.878-030 HOSPITAL GUIDE	MEDICAL SER	H2-	2	L--4--	I-----
.878-034 NURSE AID	MEDICAL SER	H3-	4	L-345-	I----67
.878-038 ORDERLY	MEDICAL SER	H3-	4	V--45-	I-----7
.878-042 PSYCHIATRIC AID	MEDICAL SER	H3-	4	H---5-	I-----
.878-046 TRAY-LINE WORKER	MEDICAL SER	-3-	2	L--4--	I-----

ANIMAL CARE (356.)

Occupations in this area are concerned with boarding, grooming, cleaning, training, or treating animals in such environments as kennels, veterinary hospitals, pet stores, zoos, and animal pounds.

The greatest concentration of opportunities in this area involves a combined demand for language and mathematics capabilities although there are some opportunities associated with occupations which demand only minimum cognition, a moderate language capability only, moderate perceptual reasoning only, or a combination of language and perceptual processing. Language demands relate to communications about animal characteristics and care, often in rather specialized terms. Mathematics demands usually stem from the need to mix feeds and medicines, stock supplies, and handle money-exchanges and records. Demands for perceptual processing can derive from detection and evaluation of subtle changes in the health or condition of an animal from postural, behavioral, color, textural, or moisture cues. Aesthetic grooming may also demand perceptual processing.

Understanding of basic animal biology can be a definite asset to handling occupations in this area.

Opportunities for on-the-job progression from unskilled helper to a responsible and skilled subprofessional worker are frequently good.

PHYS.D WK COND
HRP SVP 123456 1234567

356. ANIMAL CARE, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.874-026 DOG-POUND ATTENDANT
.874-034 HORSE PUSHER

AGRIC -2- 2 L--4-- I-----
AGRIC -1- 2 L----- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.877-010 PET SHOP ATTENDANT

RET TR H2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.874-022 DOG GROOMER

PER SER -2P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.874-010 ANIMAL CARETAKER
.874-014 ANIMAL KEEPER
.874-018 AQUARIST
.874-030 GENERAL HELPER LABORATORY
.874-042 STABLE ATTENDANT
.874-046 VETERINARY-HOSPITAL ATTENDANT

AGRIC MEDICA -3- 5 H-34-- I----67
AMUSE / REC -3- 4 H23456 O----67
AMUSE / REC -3- 4 L--4-6 I--4---
DRUG PREP -2- 3 M-34-- I-----
ANY IND -2- 2 H--4-- I-----7
MEDICAL SER -3- 3 H-34-- I-----7

PHYS.D WK COND
HRP SVP 123456 1234567

356. ANIMAL CARE, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.874-038 KENNEL ATTENDANT

AGRIC

-2P 3 H--4-- B---5--

**APPAREL AND FURNISHINGS
SERVICES (361.-369.)**

Occupations in this area are concerned with laundering, dry cleaning, pressing, dyeing, repairing, and similar functions to improve the appearance or extend the life of clothing, household furnishings, shoes, and luggage.

About half of the occupations in this area make minimum cognitive demands, about one-quarter make moderate demands only for perceptual processing, and the remainder make moderate language and/or mathematics demands either with or without associated perceptual processing demands. Perceptual processing may be demanded in the sorting of fabrics and other materials, estimating service requirements for damaged or worn goods, and in guiding the quality of finished repairs. Language and mathematics demands are most likely to be significant in smaller establishments where customer contact is intermixed with other service processes, resulting in a demand for customer communication and financial transactions.

Moderate psychomotor skill may be required in the use of tools and operation of equipment, although automation and human engineering advances are tending to reduce these requirements. Basic knowledge of chemistry, especially as it relates to health and safety, can be a definite asset because of the variety of potentially dangerous substances associated with processes in this area.

Career advancement opportunities are mostly associated with the move from helper roles to individual responsibility and to the assumption of supervisory or management roles.

PHYS.D WK COND
HRP SVF 123456 1234567

361. LAUNDERING SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 LEGGER OVERALL	LAUND	-1- 1 L-4-- I-34---
.887-022 WASHER HAND	LAUND	-1P 3 M-34-6 I--4---
.886-010 WASHER HELPER MACHINE	LAUND	-1- 1 M--4-- I--45--
.886-014 WASHING-MACHINE LOADER AND PUL	LAUND	-1- 1 H--4-- I--45-7
.885-010 CARDING-MACHINE OPERATOR	LAUND	-2P 2 L--4-- I--45--
.885-014 CONDITIONER-TUMBLER OPERATOR	LAUND	-2- 2 M--4-- I-345--
.885-018 CONTINUOUS-TOWEL ROLLER	LAUND	-2P 2 L-34-- I--4--7
.885-022 LAUNDRY WORKER II	ANY IND	-3P 2 M-34-- I-34---
.885-030 STARCHER	LAUND	-2- 2 L--4-- I----6-
.884-010 LAUNDRY WORKER, HAND	LAUND	-2P 2 M--4-- I--4---
.884-014 LAUNDRY WORKER I	ANY IND	-2P 2 M--4-- I--4---
.687-010 ASSEMBLER WET WASH	LAUND	-2- 2 M--4-- I--5--
.687-014 CLASSIFIER	LAUND	-1- 2 M-34-6 I-----
.687-018 DETACHER	LAUND	-1P 2 L--4-- I-----
.687-022 LINEN GRADER	LAUND	-2- 2 L--4-6 I-----
.587-010 FLATWORK TIER	LAUND	-2- 2 L--4-- I-----

363. PRESSING SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DETACHED-COLLAR FINISHER
.887-014 GLOVE FORMER
.887-018 IRONER SOCK
.887-022 PUFF IRONER
.887-026 STRETCHER-DRIER OPERATOR
.885-010 HANDKERCHIEF PRESSER
.885-014 PRESS OPERATOR
.885-018 PRESS OPERATOR AUTOMATIC
.884-018 IRONER CORONETS
.884-022 PRESSER HAND

LAUND -1P 1 L--4-- I-3---
CLEAN DYE -1- 2 L--4-- I-----
LAUND -1- 1 L--4-- I-34---
LAUND -1- 1 L--4-- I-----
CLEAN DYE -2P 2 L--4-- I-----
LAUND -1P 2 L--4-- I-----
LAUND -2P 3 L-34-- I-34---
LAUND -2P 3 L--4-- I-----
LAUND -3P 4 L--4-6 I-34---
ANY IND -2P 2 L--4-6 I-34---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010 ALL-AROUND PRESSFR

CLEAN DYE -3P 5 M-34-- I-34-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010 FLATWORK FINISH
.885-022 PRESSER FORM
.885-026 SHIRT PRESSER
.884-010 BLOCKER
.884-014 HAT BLOCKER

LAUND -1P 2 L--4-- I-34---
ANY IND -2P 2 L--4-- I-----
LAUND -2- 2 L--4-- I-34---
CLEAN DYE -2P 3 L--4-- I-34---
CLEAN DYE -2P 4 L--4-- I-34---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-014 LEATHER FINISHER
.782-018 PRESSER MACHINE
.781-010 SILK FINISHER

CLEAN DYE -3- 4 L-34-- I-----
ANY IND -3P 4 L-34-- I-34---
CLEAN DYE -3P 3 L--4-- I-34---

364. DYEING AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DYER HELPER
.887-014 RUG STEAMER
.887-018 RUG-DYER HELPER

CLEAN DYE -2- 3 M--4-- I-345--
CLEAN DYE -2P 2 M--4-- I-34---
CLEAN DYE -2P 3 M-34-- B--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 SHOE DYER
.884-018 SPRAYER LEATHER

PER SER -2- 3 L--4-6 I-----7
CLEAN DYE -2P 4 L--4-6 I-----7

365. SHOE AND LUGGAGE REPAIR AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 SHOE-REPAIRER HELPER

PER SER -2P 4 L--4-6 I-----

Apparel and Furnishings Services

PHYS.D WK COND
HRP SVP 123456 1234567

361. LAUNDERING SERVICE (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-034 WASHER MACHINE

LAUND

-3- 4 M-34-- I--456-

.687-026 SHORTAGE CLERK

LAUND

-2- 3 L--45- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.488-010 PRICING CLERK

LAUND.

-2P 3 S--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 LAUNDRY LABORER

LAUND

-2P 1 H-34-- I-34---

.887-018 SHAKER WEARING APPAREL

LAUND

-1P 1 L-34-6 I--4---

.885-026 PATCHING-MACHINE OPERATOR

LAUND

-2P 2 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-010 RUG CLEANER MACHINE

CLEAN DYE

-3P 4 H--4-- I-----

362. DRY CLEANING SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 LINING SCRUBBER

CLEAN DYE

-1- 1 L--4-- I-----7

.887-018 SHAVER

CLEAN DYE

-1- 2 L--4-- I-----

.886-010 DRY-CLEANER HELPER

CLEAN DYE

-2P 2 M--4-- I--4---

.886-014 HAT CLEANER

CLEAN DYE

-2P 2 L--4-- I--4---

.885-010 FEATHER RENOVATOR

LAUND

-1P 2 L--4-- I---5--

.884-026 LEATHER CLEANER

CLEAN DYE

-2P 3 L--4-6 I--45--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-010 DRY CLEANER HAND

CLEAN DYE

-2P 3 L--4-6 I--4--7

.884-014 FUR CLEANER

CLEAN DYE

-3P 5 L--4-6 I-----7

.884-018 FUR CLEANER HAND

CLEAN DYE

-2P 4 L--4-6 I-----7

.884-022 FURNITURE CLEANER

CLEAN DYE

-3P 4 M-34-6 I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 GLOVE CLEANER HAND

CLEAN DYE

-1P 2 L--4-- I--4---

.887-022 STEAMER

CLEAN DYE

-1- 1 L--4-- I-34---

.886-018 RUG-CLEANER HELPER

CLEAN DYE

-2P 2 M-34-- I--4---

.884-030 SPOTTER

LAUND

-2- 4 L--4-6 I--4-6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-010 DRY CLEANER

CLEAN DYE

-3- 5 M-34-6 I--4---

.782-014 DRY-CLEANER APPRENTICE

CLEAN DYE

-3- 5 M-34-6 I--4---

366. SHOE SHINING AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.878-010 BOOTBLACK PER SER H2P 2 L-344- I-----

369. APPAREL AND FURNISHINGS SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 LAUNDRY WORKER III ANY IND -2P 3 L-34-- I-----
 .885-010 FUR BLOWER RET TR -2- 2 L--4-- I-----
 .885-018 FUR-GLAZING-AND-POLISHING-MACH CLEAN DYE -3- 4 L--4-6 I-----
 .885-022 RUG-CONVEYOR OPERATOR CLEAN DYE -2P 2 H--4-- I--4---
 .885-026 RUG-DRY-ROOM ATTENDANT CLEAN DYE -2P 2 M--4-- I-----
 .885-030 SHIRT-FOLDING-MACHINE OPERATOR GARMENT LAUN -2P 2 L--4-- I-----
 .885-034 TUMBLER OPERATOR CLEAN DYE -2P 2 M--4-- I--45--
 .884-030 UMBRELLA REPAIRER ANY IND -2P 4 L--4-- I-----
 .587-010 VAULT CUSTODIAN CLEAN DYE H3- 4 M--456 I-----
 .478-010 CURB ATTENDANT CLEAN DYE H2- 2 L--45- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-010 FUR GLAZER CLEAN DYE -2P 2 L--4-- I-----7
 .884-022 LAUNDRY OPERATOR LAUND -3P 3 L--4-- I-345--
 .877-010 LAUNDERETTE ATTENDANT CLEAN DYE H3- 3 L--456 I-----
 .782-010 CLEANER AND PRESSER CLEAN DYE -3P 5 M--4-6 I-34-6-
 .782-014 FUR IRONER CLEAN DYE -3P 4 L--4-- I--5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 FOLDER LAUND -2P 2 L--4-6 I--45--
 .887-018 MARKER CLEAN DYE -3P 3 M--4-- I-----
 .886-010 FOLDING-MACHINE OPERATOR LAUND -2- 2 L--4-- I-----
 .884-018 HATTER HELPER CLEAN DYE -2P 3 L--4-- I-34--
 .687-010 ASSEMBLER CLEAN DYE -2- 1 L--4-- I-----
 .687-014 CHECKER CLEAN DYE -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.478-014 SERVICE-ESTABLISHMENT ATTENDAN PER SER H3- 3 L--45- I-----
 .387-010 RUG MEASURER CLEAN DYE -3- 4 L-34-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-014 FUR CLEANER MACHINE CLEAN DYE -2- 3 L--4-6 I--5--
 .884-026 RUG CLEANER HAND CLEAN DYE -3P 5 V-34-6 I--4--
 .687-018 INSPECTOR CLEAN DYE -2- 2 L--4-6 I-----
 .687-022 RUG INSPECTOR CLEAN DYE -3P 4 L--4-6 I--5--

Apparel and Furnishings Services

PHYS.D WK COND
HRP SVP 123456 1234567

369. APPAREL AND FURNISHINGS SERVICES, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.468-010 REPAIR ESTIMATOR

PER SER

H3- 3 S----- I-----

PROTECTIVE SERVICES (371.-379.)

Occupations in this area are concerned with preventing or minimizing the social detriment of accidents, crimes, fires, and similar occurrences. Employment may be either by government or private organizations. Patrol and officer occupations of government service police units are not included as they exceed the moderate cognitive performance levels of this handbook.

About half of the occupations in this area demand a combination of moderate language and mathematics capabilities and there is a substantial portion of the remainder which require moderate language capabilities only. Language demands derive from queries and requests for directions, using hand signals as in directing traffic, the issuing of warnings and instructions, interrogation and recording of responses, carrying out two-way radio and telephone communication, testifying in legal proceedings, and maintaining logs and records of activities. Mathematics demands may involve calibration of alarm equipment, verifying fire extinguisher pressures and weights, and making measurements at the scene of accidents and crimes. Perceptual processing plays an important role in a number of the occupations due to activities such as matching photographs with individuals; noting features and characteristics that will aid in identification; noting subtle details that may lead to suspicion; and judging the speed, size, distance, and direction of vehicles.

Interactions with the public or large numbers of employees are required in many of the occupations, sometimes in an emotional context. A role may sometimes be assigned in training and demonstration of recommended procedures. Psychomotor demands are common for the effective use of firearms and the operation of vehicles. Knowledge of first aid can be a definite asset since members of the protective services are frequently the first to attend to victims.

Opportunities for career progression on the basis of merit are good in most public service settings. Private protective services tend to employ larger proportions of part-time or casual workers, but there are definite opportunities for advancement in established organizations.

PHYS.D WK COND
HRP SVP 123456 1234567

371. BRIDGE TENDING AND CROSSING GUARD SERVICES

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-014 BRIDGE OPERATOR

RR TRANS -3P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.868-010 SCHOOL-CROSSING GUARD

GOV SER H3- 2 L--45- O----6-

.868-014 CROSSING TENDER

ANY IND -3- 2 L--45- B---5--

Protective Services

PHYS.D WK COND
HRP SVP 123456 1234567

372. GUARD AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.868-022 FLAGGER CONST -2P 2 L--4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 CONVOY GUARD	ANY IND	H3P	3	L--456	I----67
.868-010 ARMORED-CAR GUARD	BUS SER	-3-	3	M--4-6	B-3--67
.868-014 BODYGUARD	PER SER	H3P	4	L--456	I-----
.868-030 GUARD	ANY IND	H3P	3	L--456	I----6-
.868-034 GUARD IMMIGRATION	GOV SER	H2-	4	L---5-	I----6-
.868-038 JAILER	GOV SER	H3-	4	L--456	I----6-
.868-050 STAGE-DOOR ATTENDANT	AMUSE / REC	H3-	3	S--45-	I-----
.868-054 GUARD II	ANY IND	H3-	2	L-----	B-----
.868-058 GUARD, SET	MOTION PIC.B	-3-	3	L---5-	I-----

375. POLICE AND RELATED WORK, PUBLIC SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.268-026 PATROL CONDUCTOR GOV SER H3P 4 L--4-6 -----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 BORDER GUARD	GOV SER	H3P	4	M---56	B----6-
.588-010 PARKING ENFORCEMENT OFFICER	GOV SER	-2-	2	L--4--	O-----
.268-050 VICE-SQUAD POLICE OFFICER	GOV SER	H3P	4	M---56	B----6-

376. POLICE AND RELATED WORK, EXCEPT IN PUBLIC SERVICE

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-022 FLOORMAN	AMUSE / REC	H2P	3	L--456	I-----
.868-026 HOUSE OFFICER	HOTEL / REST	H3P	4	L---5-	I-----
.868-034 PATROLLER	RR TRANS	H3P	3	L---56	B-----
.868-038 STORE DETECTIVE	RET TR	H3-	4	L---56	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 ALARM INVESTIGATOR	ANY IND	H3P	3	M--456	B----6-
.868-018 DETECTIVE	ANY IND	H3-	4	L---5-	I-----
.868-042 UNDERCOVER OPERATOR	RET TR	H3-	4	L---56	I-----
.268-014 SHOPPING INVESTIGATOR	BUS SER	H3-	3	M-3456	B-----

377. LAW ENFORCEMENT WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-010 BAILIFF GOV SER H2- 3 L---5- I-----

377. LAW ENFORCEMENT WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-014 SHERIFF DEPUTY GOV SER H3P 4 M--4-- B-----

379. PROTECTIVE SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 MILK SAMPLER GOV SER -2- 2 L--4-- I-----
.887-014 MOSQUITO SPRAYER GOV SER -2- 2 M-34-- O--4--7
.887-018 OPERATING AID BUS SER -2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-010 LIFEGUARD AMUSE / REC H3P 4 H--456 B--4---
.388-010 PROTECTIVE-SIGNAL OPERATOR CLERICAL -3- 5 H--456 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 SKIN DIVER ANY IND -3P 4 H-34-G O--4-G-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 SPRINKLER-FIRE-EXTINGUISHER IN ANY IND -1- 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 DOG CATCHER GOV SER H3P 3 M--45- B----6-
.868-010 GOLF-COURSE RANGER AMUSE / REC H3- 4 M--456 O-----
.368-010 DISPATCHER RADIO GOV SER H3- 4 S--45- I-----
.268-010 DEMONSTRATOR SAFE-DRIVING EQUI ANY IND H3P 4 L--456 I-----
.268-018 INSPECTOR PRECINCT GOV SER H2- 3 S----6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.868-018 SKI PATROLLER AMUSE / REC H3P 4 H---56 O----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.384-010 AUTOMOBILE TESTER GOV SER -3P 4 M-3456 I-----7

**BUILDING AND RELATED
SERVICES (381.-389.)**

Occupations in this area are concerned with the cleaning of building interiors and their furnishings; minor maintenance through painting, plumbing, electrical repair, and carpentry; operation of heating, air conditioning, and other fixed equipment; and operation of freight and passenger elevators.

Most of the occupations in this area have minimum cognitive demands. Some derive moderate language requirements from the need to respond to building patrons' requests and complaints. Moderate mathematics demands may derive from the need to evaluate information obtainable from the instrumentation of fixed equipment. Language and mathematics requirements may be combined within the same occupation.

Fundamental knowledge of the principles by which building systems operate can be a distinct asset.

Except for the move from helper to independent worker, career progression opportunities are generally limited to supervisory positions in larger buildings and building service organizations.

PHYS.D WK COND
HRP SVP 123456 1234567

381. CLEANING AND RELATED SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOWLING ALLEY CLEANER
.887-014 CHARWORKER
.887-022 PATCH WORKER
.887-026 PORTER
.887-030 PORTER
.887-034 PORTER

AMUSE / REC -2- 1 L--4-- I-----
ANY IND -2- 2 H-34-- I-----
AGRIC -1- 2 L----- I-----
ANY IND -2- 2 M-34-- I-----
ANY IND -3- 2 L-34-- I-----
MOTION PIC -2- 2 H-34-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-018 CLEANER LABORATORY EQUIPMENT

ANY IND -2- 2 L--4-- I--4-67

382. JANITORIAL SERVICE

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 JANITOR

ANY IND H3- 3 H-34-- B-----

388. ELEVATOR SERVICE

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 ELEVATOR OPERATOR

ANY IND H3- 2 M--45- 1-----

389. BUILDING AND RELATED SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 AIR PURIFIER SERVICER	BUS SER	-3-	2	L-34--	I-----
.887-014 ELECTRICAL-FIXTURE RELAMPER	ANY IND	-2-	3	M2-4--	I----6-
.887-018 FLOOR WAXER	ANY IND	-2-	2	M-34-6	I-----7
.887-026 TERMITE-TREATER HELPER	BUS SER	-2-	2	H234--	B-3----
.887-030 WALL WASHER	ANY IND	-1-	1	M2-4--	I--4-6-
.887-034 WINDOW CLEANER	ANY IND	-2P	2	M234-6	B-----
.883-010 VACUUM-CLEANER OPERATOR	ANY IND	-2P	3	L--4--	I-----
.878-010 ESCALATOR ATTENDANT	PER SER RET	H2-	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022 SEXTON	NONPROFIT OR	H3-	2	M-34--	B-----
-----------------	--------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 EXTERMINATOR	ANY IND	-3-	5	L--4--	I-----7
-----------------------	---------	-----	---	--------	---------

(4.) FARMING, FISHERY,
FORESTRY, AND
RELATED OCCUPATIONS

(4.) FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS

PLANT FARMING (401.-409.)

Occupations in this area are concerned with tilling, planting, and cultivating either for harvesting agricultural production or for environmental purposes as in parks, gardens, and grounds.

The majority of plant farming occupations do not depend heavily upon language and mathematics skills. The relatively few that do tend to be concerned with such farm management functions as maintaining crop planting and production records, conducting soil analyses to determine fertilizer application rates and schedules, and projecting market demand to determine what crops and acreage to plant in order to maximize net profit. Perceptual processing skills, while generally minimal, have a bearing upon activities such as detecting the presence of harmful plant diseases and insects, discriminating between crop plants and weeds, and assessing the condition of plants as a guide to action that will maximize yield.

A considerable number of jobs in this area require a moderate level of psychomotor skill for the operation of farm machinery. Control must be precise in certain operations to prevent destruction of plants and plant products. Knowledge of biological concepts and principles can be an asset in plant farming. Knowledge of basic mechanics can be an asset in minor maintenance of farm equipment.

Many of the farm employment opportunities are seasonal in nature, the peak normally occurring at harvest time. Past trends toward highly mechanized large farms are likely to continue into the future, resulting in only limited numbers of new openings. Opportunities for career progression are limited largely to the assumption of supervisory responsibilities.

PHYS.D WK COND
HRP SVP 123456 1234567

401. GRAIN FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND GRAIN	AGRIC	-3P	1	M--4--	O-----
.884-010 FARM HAND GRAIN	AGRIC	-3P	5	H234--	O-----
.884-014 FARM HAND RICE	AGRIC	-3-	5	M234--	O-----

402. COTTON FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND COTTON	AGRIC	-2P	2	H234--	O-----
.883-010 FARM HAND COTTON	AGRIC	-3P	5	M-34-6	O---5--

Farming, Fishing, Forestry, and Related Occupations

PHYS.D WK COND
HRP SVP 123456 1234567

403. VEGETABLE FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND VEGETABLE	AGRIC	-3P 2 M234-- O-----
.886-010 SEED CUTTER	AGRIC	-1- 1 M--4-- B-----
.883-010 FARM HAND VEGETABLE	AGRIC	-3P 5 M-34-6 O---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 CARROT GRADER-INSPECTOR	AGRIC	-2- 2 M--4-- I-----
----------------------------------	-------	---------------------

404. FRUIT AND NUT FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND BERRY	AGRIC	-2- 2 M--4-- O-----
.887-014 FARM HAND CRANBERRY BOG	AGRIC	-2- 2 M-34-- O-----
.887-018 FARM HAND FRUIT	AGRIC	-2- 2 M--4-- O-----
.887-022 FIG CAPRIPIER	AGRIC	-2- 2 L--4-- O-----
.887-026 HARVEST HAND FRUIT	AGRIC	-2- 2 H234-- -----6-
.887-030 LABORER VINEYARD	AGRIC	-3- 2 M--4-- O-----
.885-010 WINNOWING-MACHINE OPERATOR	AGRIC	-2- 3 M----- O-----
.884-010 FARM HAND CITRUS FRUIT	AGRIC	-2- 2 M234-- O-----
.884-014 TREE PRUNER	AGRIC	-3P 4 M2-4-- O-----6-
.883-010 CRANBERRY PICKER MACHINE	AGRIC	-2P 3 H-3456 O2-456-
.883-014 FARM HAND CITRUS FRUIT	AGRIC	-3P 4 M234-6 O-----
.883-018 FARM HAND FRUIT	AGRIC	-3P 5 L-34-- O-----
.883-022 FRUIT-HARVESTER OPERATOR	AGRIC	-2P 4 M2-4-6 O---6-
.883-026 SHAKING-MACHINE OPERATOR	AGRIC	-3P 3 L--4-6 O---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-034 PLANT DIGGER	AGRIC	-2- 2 L----- O-----
.687-010 WATERMELON INSPECTOR	AGRIC	-2- 2 S-----6 B-----

405. CROP SPECIALTY FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND HOPS	AGRIC	H3- 1 H234-- B-----
.887-014 FARM HAND TOBACCO	AGRIC	H3- 2 H-34-- O-----
.887-018 HARVEST HAND BROOMCORN	AGRIC	H2- 2 M-34-- O-----7
.887-022 HARVEST HAND PEANUT	AGRIC	-1- 1 M-34-- O-----7
.887-026 HARVEST HAND SUGARCANE	AGRIC	H1- 2 H----- O-----
.885-010 PEANUT-PICKER OPERATOR	AGRIC	-2P 2 H--4-- O---5-7
.884-010 BEAN-SPROUT GROWER	AGRIC	-3- 3 M--4-- I--4---
.587-010 CANE WEIGHER	AGRIC	-2- 2 L----- O-----

406. HORTICULTURAL SPECIALTY WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BALLER	AGRIC	H3-	3	M-34-6	O-----
.887-022 TREE-SURGEON HELPER II	AGRIC	-2-	2	V23--6	O---56-
.887-026 MOSS HANDLER	AGRIC	-2-	2	M--4--	O-----
.887-034 TREE PLANTER	AGRIC	-2-	2	M-34--	O-----
.884-010 LABORER NURSERY	AGRIC	-3-	3	V-34--	B--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CHRISTMAS-TREE CUTTER	AGRIC	-2-	2	L-34--	O-----
.887-018 FARM HAND MUSHROOM	AGRIC	-3-	3	H-34--	I--4---
.887-030 NURSERY WORKER	AGRIC	-3-	3	V234-6	B--4--7

407. GARDENING AND GROUNDSKEEPING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CAMP-GROUND CARETAKER	GOV SER	H2-	2	H-345-	B-----
.887-014 CEMETERY WORKER	AGRIC	-2-	2	V-34--	O-----
.887-018 LABORER LANDSCAPE	AGRIC	-2-	2	M-34--	I-----
.887-022 PARK WORKER	GOV SER	-2-	2	L-34--	O-----
.887-026 RAKER	TURP / ROSIN	-1-	1	L-34--	O-----
.884-010 GROUNDS KEEPER	ANY IND	-2P	3	M-34--	O-----
.884-014 GROUNDS KEEPERSPORTS	AMUSE / REC	-2P	3	M-34--	O-----
.883-010 GREENSKEEPER	ANY IND	-2P	3	M234-6	O----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-010 PARK CARETAKER	GOV SER	H3-	3	L-3-5-	O-----
-------------------------	---------	-----	---	--------	--------

409. PLANT FARMING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 DINKEY-PRESS TENDER	AGRIC	-1-	3	V--4--	I---5--
.884-014 TREE-SURGEON HELPER	AGRIC	-2P	3	M234--	O----6-
.883-018 FIELD HAULER	AGRIC	-2P	3	M-----	O-----
.883-022 GOAT-TRUCK DRIVER	AGRIC	-2P	3	M-----	O-----
.883-026 HAULER PEANUT	AGRIC	-2P	4	M--4--	O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 AIRPLANE-PILOT HELPER	AGRIC	-2-	3	V234-6	O--4567
--------------------------------	-------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.883-010 FARM-EQUIPMENT OPERATOR	AGRIC	-3P	5	H2-4-6	O----67
----------------------------------	-------	-----	---	--------	---------

Farming, Fishing, Forestry, and Related Occupations

PHYS.D WK COND
HRP SVP 123456 1234567

409. PLANT FARMING, N.E.C. (CONT.)

Language	Biometrics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-014 FARMER CONTRACT

AGRIC

-3P 5 H2-4-6 0-----

ANIMAL FARMING (411-419.)

Occupations in this area are concerned with breeding, maintaining, and slaughtering animals; cleaning quarters and equipment; and gathering animal products such as milk, eggs, and wool.

Most animal farming occupations demand only minimum cognitive skills. Demand for moderate perceptual processing capabilities is not uncommon, however, deriving from activities such as grading wool; determining the sex of chicks; examining animals for signs of injury or disease; and separating animals according to breed, size, weight, or condition. Language demands are generally limited to understanding verbal instructions, although these may involve special terminology necessary to a specific job setting. Mathematics is generally limited to counting and simple arithmetic operations. Specialized animal farming occupations, such as those involved in agricultural or biological research, have moderate language requirements in the form of detailed classification schemes and record keeping for operations and products. Mathematics demands in these specialized occupations may also be moderately stringent in requiring quantitative record keeping, the taking of precise measurements, and the understanding of data collection schemes.

An understanding of basic principles of sanitation and animal health can be a definite asset in all types of animal farming. Although operation of equipment is less characteristic of animal than it is of plant farming, mechanization and automation trends are leading to a definite increase in the use of sophisticated equipment in animal farming.

Animal farming is generally less seasonal than plant farming, although there tends to be an annual cycle to the work. A requirement for work over weekends and holidays is typical. Opportunities for career advancement are largely limited to movement into a supervisory role.

PHYS.D WK COND
HRP SVP 123456 1234567

411. DAIRY FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 MILKING-MACHINE OPERATOR

AGRIC

-2- 2 L--4-- I-----

.884-014 FARM HAND DAIRY

AGRIC

-2- 4 H234-- O---67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 FARM HAND DAIRY

AGRIC

-3- 5 H--4-- B-----

412. POULTRY FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 GOOSE HERDER

AGRIC

-2- 3 L----- O-----

.887-014 LABORER HATCHERY

AGRIC

-2- 2 M234-- I-----

Animal Farming

PHYS.D WK COND
HRP SVP 123456 1234567

412. POULTRY FARMING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018 POULTRY DEBEAKER	AGRIC	-2-	3	L--4-6	I----67
.886-010 EGG-WASHING-MACHINE OPERATOR	AGRIC	-1-	1	L--4--	I-----
.884-010 CAPONIZER	AGRIC	-2-	2	L--4-6	I-----
.687-014 CHICKEN SEXER	AGRIC	-2-	4	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014 FARM HAND POULTRY	AGRIC	-3-	3	M-34--	I--4-5-7
----------------------------	-------	-----	---	--------	----------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 CHICK GRADER	AGRIC	-3-	4	L--4-6	I-----
-----------------------	-------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 POULTRY TENDER	AGRIC	-3-	5	H--4--	B-----7
.884-022 POULTRY VACCINATOR	AGRIC	-2-	2	L--4-6	I-----

413. LIVESTOCK FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PEN HERDER	AGRIC	-1-	1	L-----	I----6-
.887-018 GOAT HERDER	AGRIC	-1-	3	L-----	I----7
.887-026 SHEEP HERDER	AGRIC	-2-	3	M--4--	O-----
.887-030 ALLEYWAY HERDER	AGRIC	-1-	2	L-----	I----6-
.887-034 STOCKYARD LABORER	RET TR	-2-	2	H--4--	O-----
.884-010 COW PUNCHER	AGRIC	-3-	4	M234-6	O-----
.884-014 DRENCHER	AGRIC	-1-	2	L-----	B-----
.884-018 FARM HAND LIVESTOCK	AGRIC	-3P	4	H-34--	B----67
.884-022 HAZER	AGRIC	H2P	4	M2-4--	O----6-
.884-026 LAMBER	AGRIC	-3-	5	L--4-6	B-----
.884-030 RANCH HAND	AGRIC	-3P	5	M234--	O-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.684-010 BRAND INSPECTOR	GOV SER	-3-	4	M--4-6	O-----
--------------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-022 LABORER RANCH	AGRIC	-2-	2	H234--	O-----
------------------------	-------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 FLEECE TIER	AGRIC	-2-	2	M--4--	B-----
.687-014 WOOL-FLEECE SORTER	AGRIC	-2-	3	M--4-6	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-010 WOOL-FLEECE GRADER	AGRIC	-3-	4	L--4-6	I-----
-----------------------------	-------	-----	---	--------	--------

419. ANIMAL FARMING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PELTER
.884-018 FARM HAND FOX FARM
.884-026 HORSE BREAKER DRAFT

AGRIC -1P 2 M----- B--4--7
AGRIC -3- 4 H-34-- I-----
AGRIC -3- 4 M2-4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-014 FARM HAND ANIMAL

AGRIC -3P 3 M--4-6 B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022 GAME-FARM HELPER

HUNT / TRAP -3- 3 H-34-6 B----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 WORM PACKER
.887-018 WORM PICKER
.887-022 WORM-FARM LABORER

AGRIC -1- 1 L234-- I--4--7
AGRIC -2- 1 L-34-- O--4--
AGRIC -2- 1 M234-- I--4--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 ANIMAL CARETAKER

AGRIC -3- 4 L--4-6 I-----

**MISCELLANEOUS FARMING AND
RELATED WORK (421-429.)**

Occupations in this area are concerned with activities in support of both plant and animal farming such as operation of irrigation systems, operation of spraying equipment, and the use of heavy equipment. The number of occupational titles is small, but some titles account for a very large number of jobs.

Cognitive demands are minimal for a majority of the occupations in this area. Language requirements derive from oral communications with farm managers; ordering supplies, equipment, and spare parts; and determining appropriate substances to be used in pest control. Specialized vocabularies may have to be learned. Mathematical requirements generally derive from the calculation of amounts of water, fertilizer, or herbicide/pesticide required for a particular application. Perceptual processing demands derive from the need to evaluate the condition of plants, animals, and soil; estimation of water flow characteristics; and making judgments concerning spray patterns.

Psychomotor and mechanical skills are likely to be required for the operation and minor maintenance of equipment.

Employment may be seasonal. Career progression opportunities are largely dependent upon achieving a farm management role.

PHYS.D WK COND
HRP SV7 123456 1234567

421. GENERAL FARMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND GENERAL AGRIC -2- 2 H-34-- O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 CARETAKER FARM AGRIC -3- 4 M234-- O-----

.883-010 FARM HAND GENERAL AGRIC -3P 5 M-34-6 O---567

.384-010 AGRICULTURAL AID AGRIC -3- 4 H-34-- B-----

422. FARM IRRIGATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DITCH DIGGER AGRIC -1- 2 M----- O-----

.887-014 IRRIGATOR AGRIC -2- 2 L-34-- O-----

.887-022 IRRIGATOR STANDPIPE AGRIC -2- 2 L-34-- O--4---

.887-026 LABORER IRRIGATION AGRIC -2- 2 M--4-- O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 IRRIGATOR SPRINKLING SYSTEM AGRIC -2- 2 M-34-- O-----

.884-010 IRRIGATOR VALVE PIPE AGRIC -3- 4 M-34-- O--4---

422. FARM IRRIGATION (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.181-010 ZANJERO

AGRIC

H3- 5 M2345- I--4---

424. FARM MACHINERY OPERATING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 CHOPPER OPERATOR STATIONARY

AGRIC

-2- 1 H234-6 B---56-

.883-010 HEAVY-EQUIPMENT OPERATOR

AGRIC

-3P 3 M--4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-014 SPRAYER

AGRIC

-3P 5 H234-6 O--4567

.782-010 THRESHER

AGRIC

H3P 4 M--4-6 O---567

429. MISCELLANEOUS FARMING AND RELATED WORK N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FARM HAND, GENERAL II

AGRIC

-2- 2 L----- O-----

.887-014 GRUBBER

AGRIC CONST

-2P 2 H-34-- O-----

.887-018 ICE HARVESTER

RET TR

-2P 3 H--4-- O-----

.885-010 LABORER SEED CORN

AGRIC

-2P 2 H--4-- B-----

.885-014 THRESHER HAND BROOMCORN

AGRIC

-2- 2 L--4-- O----67

**FISHERY AND RELATED
WORK (431.-439.)**

Occupations in this area are concerned with seeding, cultivating, transplanting, stocking, and gathering aquatic life and its products.

About three-quarters of the occupations in this area demand only minimum cognitive skills, with most of the work being of a routine nature and conducted under the supervision of trained and experienced personnel. A substantial proportion of the remaining occupations have moderate cognitive demands only for perceptual processing. Perceptual processing requirements of these occupations are illustrated by such activities as sorting fish according to species, size, and quality and sorting crabs according to stages of shell development. Language requirements are most often limited to the verbal communications necessary to work as part of a crew or team; using specialized terminology and nomenclature to perform work with seines, nets, winches, hoists, traps, and a variety of bait, lines, hooks, floats, sinkers, and the like. Standard nautical terms and knowledge of navigational signals and markers are often demanded by the occupations which involve the use of boats in open water. Mathematical requirements may be imposed with respect to such activities as navigation, weighing and recording catches, and measuring fishlife to ensure meeting minimum size requirements imposed by law.

Biological knowledge concerning water life, feeding habits of fish and other marine life, successful methods for catching fish, and the anatomy of items to be cleaned or prepared is a definite asset to employment.

There is room for multiple levels of vertical career progression only on the largest ships. Once one has achieved command of a small ship, the principal opportunities are for ownership and/or command of either multiple or larger ships. In general, the prospects for career progression in fishery and related work are not good because of both its structure and ecological factors which are placing severe constraints on the industry.

PHYS.D WK COND
HRP SVP 123456 1234567

431. NET, SEINE, AND TRAP FISHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 FISHER, DRIVER NET	FISH	-2P	4	H234-6	O--4-6-
.884-014 FISHER, HAUL, DRAG OR BEACH SE	FISH	-2-	4	H234-6	O--4-6-
.884-018 FISHER, HOOP NET	FISH	-2-	4	H234-6	O--4-6-
.884-022 FISHER, LAMPARA NET	FISH	H2P	4	M234-6	O--4-6-
.884-026 FISHER, NET	FISH	-2P	4	H234-6	O--4-6-
.884-034 FISHER, POUND NET OR TRAP	FISH	-2-	4	H234-6	O--4-6-
.884-038 FISHER, PURSE SEINE	FISH	H2P	4	H234-6	O--4-6-
.884-042 FISHER, REEF NET	FISH	-2P	4	V234--	O--4-6-
.884-046 FISHER, SQUAW NET	FISH	-2P	4	H234-6	O--4-6-
.884-050 FISHER, TERRAPIN	FISH	-2P	2	H234-6	O--4---
.884-054 FISHER, TRAMMEL NET	FISH	-2-	4	H234-6	O--4-6-
.884-058 FISHER, TRAWL NET	FISH	-2P	4	H234-6	O--4-6-

431. NET, SEINE, AND TRAP FISHING (CONT.)

.884-062 FISHER, WEIR	FISH	-2P	4	H234-6	O--4-6-
.884-066 STRIKER	FISH	-2P	4	H234-6	O--4-6-
.883-010 STAKE BOATWORKER	FISH	-2P	5	M234-6	O--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 LABORER WHARF	FISH	-1-	2	H234--	B--4--7
.884-030 FISHER, POT	FISH	-2-	2	V234--	O--4---

432. LINE FISHING

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 FISHER, LINE	FISH	-2P	3	M234--	O--4-6-
-----------------------	------	-----	---	--------	---------

433. FISHING, MISCELLANEOUS GEAR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 FISHER, SPEAR	FISH	-2P	4	H234-6	O--4-6-
------------------------	------	-----	---	--------	---------

435. WHALING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 FISH	FISH	-2P	4	M-34-6	I---5--
.884-014 FLENSER	FISH	-1P	4	M-34--	O--4--7

436. MARINE LIFE CULTIVATION AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FROG-FARM LABORER	FISH	-2-	1	H234-6	O--456-
.884-014 EGG PICKER	FISH	-1-	3	L--4-6	I-----
.884-018 EGG STRIPPER	FISH	-2P	4	L--4--	I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 CRAB FARMER	FISH	-2P	4	M234--	I--4---
.884-026 SHELLFISH-BED MAN	FISH	-3P	4	H234--	O--4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-022 HATCHERY WORKER	FISH	-3-	5	L-34--	I-----7
--------------------------	------	-----	---	--------	---------

Fishery and Related Work

PHYS.D WK COND
HRP SVT 123456 1234567

437. SPONGE AND SEAWEED GATHERING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DULSER
.887-014 IRISH-MOSS BLEACHER
.887-018 IRISH-MOSS GATHERER
.887-022 KELP CUTTER
.884-010 SPONGE HOOKER

FISH -1- 2 L-34-- O--4---
FISH -2- 2 L-34-- O--4---
FISH -1- 2 L-34-- O--4---
FISH -2P 2 L-34-- O--4---
FISH -2P 2 L-34-6 O--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-026 SPONGE CLIPPER

WHOLE TR -2- 2 L--4-- B-----

439. FISHERY AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 OYSTER FLOATER
.884-010 FISHER, DIVING
.687-014 CRAB INSPECTOR

FISH -1- 1 L-34-- O-----
FISH -2P 4 H-34-6 O----6-
FISH -1- 3 L--4-- O--4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.228-010 INSTRUCTOR FISHING

EDUCATION H3- 5 M-3456 O--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 CLAM DREDGER

FISH -2- 3 H234-- O--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-018 SEALER

FISH -2P 2 M-34-- O--4-6-

**FORESTRY AND RELATED
WORK (441.-452.)**

Occupations in this area are concerned with developing, maintaining, cultivating, and protecting forests, forest tracts and woodlands, and harvesting their products. It should be noted, however, that the harvesting of logs is included in group 942., and the cultivation of ornamental trees, shrubs, and flowers is included in group 406.

Most of the occupations in this area have only minimum cognitive demands. Language requirements are most often limited to the verbal communications necessary to follow instructions of supervisory personnel. Fire fighting and forest patrol work may have mathematical requirements such as would be associated with pinpointing the precise coordinates of a fire. Perceptual processing demands may include coordination of map features with actual physical locations as well as detecting the presence of disease, blights, insect damage, and other factors bearing upon the quality of forest products.

Knowledge of forestry cultivation principles and products, tree and plant diseases, insects and pests, and pesticides and herbicides can be a definite asset to employment.

Most top jobs in forestry are held either by professional managers or by persons with postsecondary education in forestry. Forest management is, however, a vigorous field with substantial numbers and variety of opportunities for subprofessional workers.

PHYS.D WK COND
HRP SVP 123456 1234567

441. FOREST CONSERVATION WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FOREST-FIRE FIGHTER	GOV SER	-2P	2	V234--	O-3--67
.887-014 SPRAYER	FORESTRY	-2P	2	V-34--	O--4567
.887-018 TREE PLANTER	FORESTRY	-2-	1	H234-6	O-----
.887-022 TREE PRUNER	FORESTRY	-2P	3	H234--	O----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-010 FIRE RANGER	GOV SER	H3-	4	H23456	O----67
----------------------	---------	-----	---	--------	---------

442. FOREST PRODUCTS PRODUCTION, EXCEPT LOGGING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOUGH CUTTER	FORESTRY	-2P	2	M2-4-6	O----6-
.887-014 BOX CUTTER	TURP / ROSIN	-1-	2	H--4--	O-----
.887-018 BOX PULLER	TURP / ROSIN	-1P	2	M--4--	O-----
.887-022 CUPPER AND TINNER	TURP / ROSIN	-1-	2	L--4--	O-----
.887-026 FACE CUTTER	TURP / ROSIN	-1P	2	M--4--	O-----
.887-030 GATHERER	TURP / ROSIN	-1-	1	L--4--	O-----

Forestry and Related Work

PHYS.D WK COND
HRP SVP 123456 1234567

442. FOREST PRODUCTS PRODUCTION, EXCEPT LOGGING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-034 GREENS PICKER	FORESTRY	-2-	2	M-34--	O--4---
.887-038 GREENS TIER	FORESTRY	-2-	2	M--4--	I-----
.887-042 MOSS CUTTER	AGRIC	-1-	2	M--4--	O-----
.887-046 MOSS PICKER	AGRIC	-1-	1	M-34--	O--4---
.887-050 SAP COLLECTOR	AGRIC	-2P	2	M-----	O-----
.887-054 SUGAR TAPPER	AGRIC	-1-	2	L-----	O-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.687-014 MEDICINAL-PLANT COLLECTOR	AGRIC	-3-	4	L-34-6	O-----
------------------------------------	-------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 INSPECTOR WREATH	FORESTRY	-3-	3	L--4-6	I-----
---------------------------	----------	-----	---	--------	--------

449. FORESTRY, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 WREATH-MACHINE OPERATOR	FORESTRY	-2P	2	L--4--	I-----
.884-010 TREE CLIMBER	FORESTRY	-2P	3	M2-4-6	O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 SEED CONE PICKER	FORESTRY	-1P	2	M2-4--	O----6-
---------------------------	----------	-----	---	--------	---------

451. HUNTING AND TRAPPING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 WALRUS HUNTER	FISH	-2P	2	M--4-6	O-----
.781-010 BIRD TRAPPER	HUNT / TRAP	-3-	5	M234--	O-----
.781-014 PREDATORY-ANIMAL HUNTER	HUNT / TRAP	-3P	5	H234-6	O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-018 TRAPPER	HUNT / TRAP	H3P	5	H23456	O--4-6-
------------------	-------------	-----	---	--------	---------

452. GUIDE SERVICES, HUNTING AND FISHING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.868-010 HUNTING AND FISHING GUIDE	AMUSE / REC	H3P	2	M2-456	O-----
------------------------------------	-------------	-----	---	--------	--------

AGRICULTURAL SERVICES (461.-469.)

Occupations in this area are concerned with furnishing specialized services on a fee or contract basis in support of agriculture. Activities may be identical or closely related to those carried out by groups 401.-429. and include spraying for blight and pest control, collection and labeling of soil samples for analysis, and the conduct of routine chemical or biological analyses.

Most opportunities in this area are associated with occupations which have only minimum cognitive demands, although there is some proportion of the occupations with moderate demands for language, mathematics, or perceptual processing. Language requirements are most heavily involved with verbal and written communications dealing with the detection and eradication for the boll weevil, gypsy moth, and similar insects; with the collection and labeling of samples for analysis; with the recording of treatment results; and with the mixing and use of chemical compounds. Mathematics demands are associated with the performance of such tasks as the weighing and mixing of herbicides and exterminating agents, determination of application rates, and the computation of cost estimates for performing work under contract. Perceptual processing demands are associated with such activities as the identification and classification of weeds and the use of a microscope to determine the density and mobility of gametes in semen.

Substantial biological knowledge is required by about one-fourth of the occupations, usually centered around knowledge of commercial plants and crops, weed types and characteristics, plant and animal diseases, and procedures for conducting analytic tests and analysis of results. Knowledge of basic chemistry is frequently useful for control of processes which involve highly toxic substances. Knowledge of first aid is also a potential asset.

Most of the career progression opportunities in this area are associated with the assumption of supervisory or ownership status.

PHYS.D WK COND
HRP SVP 123456 1234567

461. COTTON GINNING AND COMPRESSING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 GINNER

AGRIC

-2P 4 L234-- I---5--

465. BLIGHT AND PEST CONTROL AND BINDWEED ERADICATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BLISTER-RUST ERADICATOR

AGRIC

-1- 2 H234-- O----67

.887-014 BRUSHER

AGRIC

-1- 2 M----- O-----

.887-026 TREE GIRDLER

AGRIC

-1- 2 L--4-- O-----

.884-010 FUMIGATOR ORCHARD

AGRIC

-2- 4 M--4-- O----67

Agricultural Services

PHYS.D WK COND
HRP SVP 123456 1234567

465. BLIGHT AND PEST CONTROL AND BINDWEED ERADICATION (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-018 LABORER ORCHARD FUMIGATION AGRIC -2- 2 M----- O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022 SPRAYER HAND AGRIC -1- 2 H234-- O--4-67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.781-010 WEED INSPECTOR AGRIC H3- 5 L--4-- O-----

.381-010 SCOUT AGRIC -3- 4 M2-4-6 O-----

466. ANIMAL CARE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 LIVESTOCK CARETAKER YARD-OR-IN ANY IND -2- 2 H234-6 B--4-67

467. ANIMAL HUSBANDRY SERVICES

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.384-018 BLOOD TESTER FOWLS AGRIC -2- 2 L--4-6 B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.384-022 POULTRY INSEMINATOR AGRIC -3- 3 M--4-- B-----

469. AGRICULTURAL SERVICES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 SHEEP SHEARER AGRIC -1P 3 M-34-- B-----7

(5.) PROCESSING
OCCUPATIONS

(5.) PROCESSING OCCUPATIONS

METAL PROCESSING (500.-509.)

Occupations in this area are concerned with molding, casting, coating, conditioning, or otherwise processing metal.

Metal processing occupations are distributed across all eight combinations of cognitive demand, but with greatest concentration where all demands are minimum or where only perceptual processing demands are moderate. Perceptual processing is involved in inspecting coated or plated items for completeness and uniformity of coating, estimating temperature from the color of heated metal, evaluating smoothness of a plated surface from touch, and similar activities. Language demands are predominantly verbal, with heavy emphasis on special terminology related to the technical processes to which the work relates. Specifications and work orders sometimes must be read, but they are usually fairly simple. Writing demands are usually minimal, involving the recording of production information, identification and marking of samples, and similar routine tasks. Mathematics demands include the measuring of chemical quantities, determining the strength of solutions, and determining the dimensions of objects.

A fundamental knowledge of chemistry is useful both because of frequently encountered toxic substances and chemical measures such as pH and specific gravity. Mechanical skills can be an asset for the many occupations involving the operation of equipment and its minor maintenance. Psychomotor skill is also a frequent requirement for occupations involving manual control of equipment and the use of hand tools for coating and plating operations.

There are opportunities to move from helper to fully responsible positions. Some supervisory positions are available out of the ranks of metal processing workers.

PHYS.D WK COND
HRP SVP 123456 1234567

500. ELECTROPLATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-014 PLATE-TAKE-OUT WORKER
.885-010 ETCHER ELECTROLYTIC
.782-014 PLATER BARREL
.782-016 FIN RECOVERY WORKER

ELEC EQUIP -1- 2 M-34-- I--4---
CUT TOOLS -2P 2 L--4-- I-----
ELECTROPLATI -2- 5 M--4-- I--4---
ELECTROPLATI -3- 4 H--4-- I-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-026 PLATE FORMER

ELEC EQUIP -3P 4 L--4-6 I-----

500. ELECTROPLATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010 LABORER ELECTROPLATING
.884-010 ELECTROFORMER
.884-014 MATRIX PLATER
.884-018 MATRIX WORKER
.884-034 SILVER SPRAY WORKER

ELECTROPLATI -1P 2 M--4-6 I--4-6-
ELECTROPLATI -1P 4 L--4-6 I-----
ELECTROPLATI -2P 4 M--4-- I--4567
PHONOGRAPH -3P 2 L--4-6 I-----
PHONOGRAPH -1P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-014 PLATER PRODUCTION
.885-018 ZINC-PLATING-MACHINE OPERATOR
.884-022 MATRIX-BATH ATTENDANT
.884-030 PLATER

ELECTROPLATI -3- 4 M--4-- I--4---
ELECTROPLATI -3- 4 M--4-- I--4--7
PHONOGRAPH -3- 5 M--4-- I--4567
ELECTRONICS -2P 3 L--4-- I-----7

501. DIP PLATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-018 TINNER CERAMIC CAPACITORS
.885-022 TINNING-EQUIPMENT TENDER

ELECTRONICS -1- 2 L--4-- I-----
ELEC EQUIP -1P 2 L--4-- I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-010 ANODIZER

ANY IND -2- 4 M--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-018 COLORING OPERATOR

SPRING -3P 5 H----- I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-010 GALVANIZER
.885-014 PLATER HOT DIP
.885-026 WIRE-COATING OPERATOR METAL

GALVANIZING -3P 3 M--4-- I-3--67
GALVANIZING -3P 4 H--4-6 I-----6-
WIRE -3P 2 M--4-6 I-----

502. MELTING, POURING, CASTING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BLAST-FURNACE-KEEPER HELPER
.887-014 BOTTOM MAKER
.887-018 BUSHER
.887-022 HOT-TOP-LINER HELPER
.887-026 LABORER SOLDER MAKING
.886-010 CASTING-MACHINE-OPERATOR HELPE
.885-010 LEAD-SLUG CASTER
.885-014 REMELTER

IRON / STEEL -3P 3 H--4-- I-3-56-
IRON / STEEL -1P 3 M--4-- I-3-56-
ABRASIVE / P -2P 2 H--4-- I-3--6-
IRON / STEEL -2- 3 H--4-- B-3-5-7
NONFER METAL -3P 3 M--4-- I-3----
ELEC EQUIP -2- 2 M--4-- I-----
RUBBER GOODS -2P 2 M-34-- I----67
PRINT / PUB -2P 2 M-34-- I-----

502. MELTING, POURING, CASTING, AND RELATED WORK (CONT.)

.885-018 MOLDER LEAD INGOT	AMMUNITION	-2P	2	H-34--	I-3--6-
.885-022 WIRE-WHEEL OPERATOR	NONFER METAL	-2-	4	M--4-6	I---5--
.782-022 CASTING-MACHINE OPERATOR	NONFER METAL	-2P	4	M--4--	I-----
.782-030 CENTRIFUGAL-CASTING-MACHINE OP	JEWELRY	-3-	5	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-014 MIXER OPERATOR HELPER HOT META	IRON / STEEL	-2P	2	M--4--	I-3-567
.782-034 DIE-CASTING-MACHINE OPERATOR	ELEC EQUIP	-3P	5	H--4-6	I---6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 LEAD CASTER	ELEC EQUIP	-3P	3	H-34-6	I-3-5--
.884-022 MOLD SETTER	ELEC EQUIP	-2-	3	M--456	I-3--67
.782-014 BULLET-SLUG-CASTING-MACHINE OP	AMMUNITION	-3-	5	H-34-6	I---6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-010 BULLET-CASTING OPERATOR	AMMUNITION	-3-	4	H234--	I-3--6-
----------------------------------	------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-030 CHARGE-GANG WEIGHER	NONFER METAL	-3-	3	M-34-6	I-3--6-
.884-026 NEEDLE LEADER	KNIT GOODS	-2P	2	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-018 MILL HELPER	NONFER METAL	-3P	3	M--4--	I-3--67
.884-034 STEEL-POURER HELPER	IRON STEEL	-3P	5	M--4--	I-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018 CASTER	NONFER METAL	-3-	3	M--4--	I-3--6-
.782-026 CASTING-MACHINE OPERATOR AUTOM	ELEC EQUIP	-3P	4	H-34-6	I-3-5--
.382-010 FLUOROSCOPE OPERATOR	AIRCRA				

503. PICKLING, CLEANING, DEGREASING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-018 DRIFTER	IRON / STEEL	-2-	3	M--4--	I-----
.895-022 FLAME DEGREASER	AUTO SER	-2-	2	M--4--	I-3----
.885-038 SANDBLAST OPERATOR	AMMUNITION	-2-	3	M--4--	I----6-
.885-042 SANDBLAST-OR-SHOTBLAST-EQUIPME	ANY IND	-2-	2	M--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CLEANER	FIREARMS	-3P	3	L--4--	I---5--
.886-010 PICKLER HELPER CONTINUOUS PICK	ANY IND	-3-	2	M--4--	I--4---

Metal Processing

PHYS.D WK COND
HRP SVP 123456 1234567

503. PICKLING, CLEANING, DEGREASING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 BARREL ATTENDANT LAP BALL CLEA MACH MFG -3- 2 H--4-6 I---5--
.885-034 METAL-WASHING-MACHINE OPERATOR REFRIGERAT E -3- 2 M--4-- I--4---
.885-046 STRIP-TANK TENDER FIREARMS -3- 3 M--4-- I-34-67

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-010 CABINE-ABRASIVE SANDBLASTER ANY IND. -2- 2 L--4-- I-----
.887-018 SANDBLASTER ANY IND -2P 2 M--4-- I---5-7
.885-010 TENDER ULTRASONIC CLEANING EQU ELECTRONICS -3- 2 M--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-014 DIP-LUBE OPERATOR AMMUNITION -3- 2 H-34-- I-----7
.885-026 FURNACE-AND-WASH-EQUIPMENT OPE AMMUNITION -3- 2 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030 METAL-CLEANER IMMERSION ANY IND -3P 2 M--4-- I-----
.782-010 COATER BUS SER -3P 5 L--4-6 I-----

504. HEAT TREATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ANNEALER JEWELRY -2- 2 L--4-- I-----
.886-010 CHARGER-OPERATOR HELPER IRON / STEEL -2- 2 M--4-- I-3-5--
.885-010 BASE-DRAW OPERATOR AMMUNITION -2P 3 M--4-- I-----
.885-014 BURNING-PLANT OPERATOR AMMUNITION -2- 2 H-34-- I-3-56-
.885-022 FLAME-HARDENING-MACHINE OPERAT HEAT TREAT -2P 2 M--4-- I-3----
.885-026 HEAT-TREATER HELPER HEAT TREAT -3- 2 M--4-- I-3--67
.885-030 INDUCTION-MACHINE OPERATOR HEAT TREAT -1- 2 M--4-- I-----
.885-034 LEAD BLOWER PAINT / VARN -2- 4 L--4-- I-3----
.885-038 PRODUCTION HARDENER BUTTON -2- 2 H--4-- I-34-67
.885-042 REEL-BLADE-BENDER FURNACE TEND AGRIC EQUIP -2P 2 L--4-- I-3----
.885-054 STEAM-BLACKENING-FURNACE TENDE ELECTRONICS -2P 2 M--4-- I-----
.782-010 ANNEALER HEAT TREAT -2- 4 M--4-6 I---67
.782-014 CASE HARDENER HEAT TREAT -3- 4 M--4-6 I-3--67
.782-018 HARDENER HEAT TREAT -2- 4 H--4-6 I-3--67
.782-042 TEMPERER HEAT TREAT -2- 4 M--4-6 I-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-018 HARDENER HELPER CLOCK / WATC -2- 2 H--4-- I-----
.782-030 HEAT TREATER HEAT TREAT -3- 4 M--4-6 I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-046 RIVET HEATER ANY IND -2P 4 M2-4-6 B2--56-

504. HEAT TREATING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.387-010 HARDNESS INSPECTOR

HEAT TREAT -3- 4 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-018 CHARGER OPERATOR

IRON / STEEL -3P 4 M--4-- I-3-567

.885-050 SLAB-DEPIER OPERATOR

IRON / STEEL -1P 4 M--4-- I-3-5-7

.782-038 HEAT-TREATING BLUER

HEAT TREAT -3- 4 M--4-6 I-34-67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.886-014 FURNACE HELPER

NONFER METAL -3- 2 M--4-- I-3--6-

505. METAL SPRAYING, COATING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 COMPOUND-COATING-MACHINE OFF B

TINWARE -2- 2 L--4-- I---56-

.886-014 WAX-SPRAYING-MACHINE OPERATOR

DRUG PREP -1- 2 L--4-- I-----

.885-010 ALODIZE-MACHINE HELPER

NONFER METAL -2P 3 M-34-- I--4---

.885-018 CERAMIC-COATER MACHINE

ANY IND -2- 2 M--4-6 I-3----

.885-022 COATER OPERATOR

TINWARE -2- 3 L--4-- I---5--

.885-030 LACQUER-DIPPING-MACHINE OPERAT

BUTTON -2- 2 M--4-- I-----

.885-034 LUBRICATING-MACHINE TENDER

AMMUNITION -2- 2 M--4-- I-3----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-038 METAL-SPRAYING-MACHINE OPERATO

ANY IND -2- 2 M--4-- I---5--

.884-014 ELECTROLESS PLATER

ANY IND -3- 3 M--4-- I-----

.782-026 PASTING-MACHINE OPERATOR

ELEC EQUIP -3- 4 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-042 VACUUM-METALIZER OPERATOR

ANY IND -3P 3 M--4-6 I-----

.884-010 CASE PREPARER-AND-LINER OPERAT

ORDNANCE -3P 4 L--4-6 I----6-

.884-022 METAL SPRAYER PRODUCTION

ANY IND -3P 2 M--4-6 I---5--

.884-026 SOLDER SPRAYER

ANY IND -2P 3 M-34-6 I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-026 COMPOUND MIXER

TINWARE -3- 4 V-34-- B----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-014 BROWNING PROCESSOR

FIREARMS -3P 3 M--4-6 I-34-6-

.782-010 ALODIZE-MACHINE OPERATOR

NONFER METAL -3- 5 M--4-6 I--4---

Metal Processing

PHYS.D WK COND
HRP SVP 123456 1234567

509. METAL PROCESSING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PORCELAIN ENAMEL LABORER
.887-014 STRINGER
.885-018 IMPREGNATOR
.885-034 SCRAP BALLER
.782-018 MIXER OPERATOR HOT METAL

ANY IND -2P 2 M--4-- I-3----
JEWELRY -1P 1 ---4-- I----6-
IRON / STEEL -2- 2 M--4-- I----6-
IRON / STEEL -2- 3 M--4-- I---56-
IRON / STEEL -3P 5 L--4-- I-3---7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-022 KILN OPERATOR

IRON / STEEL -3- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 LABORER GENERAL
.885-038 SCRAP HANDLER

IRON / STEEL -3P 2 H234-- B-34567
ANY IND -3P 3 H--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-014 SCRAP SORTER
.885-014 GETTERING-FILAMENT-MACHINE OPE
.885-026 LUBRICATOR-GRANULATOR
.885-046 TANK TENDER

NONFER METAL -1- 2 M-34-- I-----
ELEC EQUIP -2- 3 L--4-6 I-----
IRON / STEEL -3- 2 L--4-- I-----
ORE DRESS SM -3P 5 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 ELECTROSTATIC-SEPARATOR OPERAT

IRON / STEEL -3- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 FILAMENT DISSOLVER
.782-022 ROLL COATER

ELECTRONICS -3- 3 M--4-- I----67
STRUCT / ORN -3- 4 M--4-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030 PREFORMING-MACHINE OPERATOR
.885-042 SHOT POLISHER AND INSPECTOR
.884-014 TEST PREPARER
.782-010 APERTURE-MASK-PROCESSING-EQUIP

ELECTRONICS -3- 3 M--4-6 I--4-67
AMMUNITION -3P 3 M--4-- I-----
IRON / STEEL -3P 5 M--4-- I-----
ELECTRONICS -3- 4 M--4-- I--4---

**ORE REFINING AND FOUNDRY
WORK (510.-519.)**

Occupations in this area are, in general, concerned with reducing ores to a form where the resulting metals may be further processed by occupations included under groups 500.-509.

Occupations in this area are distributed across all eight combinations of cognitive demand. About one-third demand only minimum cognitive capabilities of any kind. There are also significant concentrations of opportunities for occupations demanding only moderate mathematics capabilities and for occupations demanding a combination of moderate mathematics and language capabilities. Mathematics requirements are generally derived from the use of weights and measures to determine operational data, but more sophisticated computations such as the determination of voltage drops and ore yields may be encountered. Language demands are usually verbal or hand signals to facilitate team operations, although some occupations require recording of operational data in logs. Perceptual processing is involved in activities such as determining, by feel, whether an ore mix has achieved proper characteristics or noting the color of samples subjected to test procedures.

Mechanical skills are an asset for the minor maintenance of equipment used in these operations. Basic electrical and chemical knowledge can also be a distinct asset in many situations. Psychomotor skill is demanded in a large proportion of occupations for the operation of equipment, although computer control is tending to reduce this requirement. Safety procedures are extremely important because of the prevalence of powerful machinery, high voltages, high temperature, and dangerous substances; but training for such procedures is generally provided by the employer rather than being a prerequisite for employment.

There are opportunities to move from helper to fully responsible positions. Some supervisory positions are available out of the ranks of ore refining and foundry workers.

PHYS.D WK COND
HRP SVP 123456 1234567

510. MIXING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-018 PUG-MILL OPERATOR

ORE DRESS SM -2P 4 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 MIXER

IRON / STEEL -2- 2 H--4-- I----6-

.885-026 SLIME-PLANT OPERATOR

ORE DRESS SM -3P 3 L--4-- B-----

.885-030 SLURRY-CONTROL TENDER

ORE DRESS SM -3- 5 M2-4-- O----67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 MIX-HOUSE TENDER

ORE DRESS SM -2- 3 L--4-- I-----

510. MIXING AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-022 SINTER-MACHINE OPERATOR IRON / STEEL -3- 5 M--45- I-3-567

511. SEPARATING, FILTERING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BLANKET WASHER ORE DRESS SM -1- 2 M--4-- I---5--
 .887-018 FLOTATION-TENDER HELPER ORE DRESS SM -1- 1 M-34-- I--4---
 .887-022 SKIMMER REVERBERATORY ORE DRESS SM -2P 3 M--4-- I-3--6-
 .887-026 TAILINGS-DAM LABORER ORE DRESS SM -2- 2 H--4-- O-----
 .886-010 REAGENT-MAN HELPER ORE DRESS SM -2P 2 M234-- b----67
 .885-018 CONDENSER-TUBE TENDER ORE DRESS SM -2- 2 H-34-- B----67
 .885-030 DUST-COLLECTOR ATTENDANT MINING / QUA -3P 3 L--4-- I--45--
 .885-062 PRECIPITATOR ORE DRESS SM -3- 4 L--4-- I-----
 .885-070 SCREEN OPERATOR ORE DRESS SM -3P 4 M-34-- I-----
 .885-094 TROMMEL TENDER ORE DRESS SM -2- 2 M-34-- O--4---
 .884-010 BOTTOM-PRECIPITATOR OPERATOR ORE DRESS SM -3- 4 M--4-- B-----
 .782-010 CLARIFIER OPERATOR ORE DRESS SM -3- 4 M2-4-- O----67
 .782-014 CLASSIFIER OPERATOR ORE DRESS SM -3- 5 M--4-- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-078 SLIME-PLANT-OPERATOR HELPER ORE DRESS SM -3P 3 L234-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 CLASSIFIER TENDER ORE DRESS SM -3- 4 L--4-- I-----
 .885-034 FLOTATION TENDER ORE DRESS SM -3- 4 L2-4-- I---5--
 .885-050 KETTLE TENDER, PLATINUM AND PA ORE DRESS SM -3- 4 M--4-- I-----
 .885-058 PRECIPITATOR ORE DRESS SM -3- 4 M-34-- I-----
 .885-066 REAGENT TENDER ORE DRESS SM -3P 4 L--4-- I-----
 .885-086 THICKENER OPERATOR ORE DRESS SM -3P 4 L-34-- B-----
 .782-022 COTTRELL OPERATOR ORE DRESS SM -3P 5 M234-- I-----7
 .782-038 TUNGSTEN REFINER ORE DRESS SM -3- 5 M2-4-- I----67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 AMALGAMATOR ORE DRESS SM -3- 3 L--4-- I--4--7
 .782-030 DUST COLLECTOR ORE CRUSHING ORE DRESS SM -3P 4 L--4-- I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-014 CLARIFIER-OPERATOR HELPER ORE DRESS SM -3- 3 M2-4-- O----67
 .885-022 DEWATERER OPERATOR ORE DRESS SM -3- 5 M--4-- I--4-67
 .885-038 HYDRATE-CONTROL TENDER ORE DRESS SM -3P 4 M2-4-- I----67
 .885-042 IRON-LAUNDER OPERATOR ORE DRESS SM -3- 4 L-3456 O-----
 .885-054 MOLYBDENUM-STEAMER OPERATOR ORE DRESS SM -3- 4 L--4-- I-----

511. SEPARATING, FILTERING, AND RELATED WORK (CONT.)

.885-074 SLIME-PLANT OPERATOR ORE DRESS SM -3- 4 L-34-- I--4---
.782-026 CRYOLITE-RECOVERY OPERATOR ORE DRESS SM -3P 5 M2-4-- I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-030 COTTRELL TREATER ORE DRESS SM -3P 3 M234-- I-----
.885-046 KETTLE TENDER II ORE DRESS SM -3- 4 M--4-- I-----
.885-098 ZINC-CHLORIDE OPERATOR ORE DRESS SM -3- 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-026 DRIER TENDER ORE DRESS SM -3- 4 L--4-- I-----
.885-082 TABLE TENDER ORE DRESS SM -3- 4 M--4-- I--4---
.885-090 TOP-PRECIPITATOR OPERATOR ORE DRESS SM -3P 4 M--4-- O---67
.782-018 CONTROL OPERATOR ORE DRESS SM -3- 5 L--4-6 I-3--6-
.782-034 LEACHER ORE DRESS SM -3- 5 L2-4-- I---5--

512. MELTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CONDENSER SETTER ORE DRESS SM -2P 3 M--4-- I-----
.887-014 THIRD HELPER IRON / STEEL -2- 3 H--4-- I-3-567
.886-018 PIG-MACHINE-OPERATOR HELPER IRON / STEEL -2P 2 M--4-- I-3-56-
.885-010 FURNACE TENDER FOUN NONFER -2- 2 H--4-- I-3--6-
.885-022 RECLAMATION KETTLE TENDER, MET ORE DRESS SM -3- 2 M-34-6 I-3-5--
.883-010 CHARGING-MACHINE OPERATOR IRON / STEEL -2P 5 L--4-- I-3-56-
.883-014 FURNACE CHARGER NONFER METAL -3P 5 M234-- I-3--67
.782-010 BESSEMER REGULATOR IRON / STEEL -2P 5 M--4-- I-----
.782-042 STOVE TENDER IRON / STEEL -3- 5 M--4-- B-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 CUPOLA CHARGER FOUND -3- 2 M--45- I-3--6-
.886-014 FURNACE HELPER NONFER METAL -3- 2 M-34-- I-3--67
.885-014 NOZZLE TENDER NONFER METAL -3P 3 M--4-- I-3----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-010 TEMPERATURE REGULATOR, PYROMET FOUND -3- 2 L--4-- I-3-5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-018 POT TENDER ORE DRESS SM -3- 3 M--4-- I-3--67
.782-018 CUPOLA TENDER FOUND -3- 5 M-34-6 I-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-026 FURNACE OPERATOR FOUND IRON -3P 5 M--4-6 I-3--67
.782-038 PIG-MACHINE OPERATOR IRON / STEEL -3P 5 H--4-- I-3-56-

Ore Refining and Foundry Work

PHYS.D WK COND
HRP SVP 123456 1234567

513. ROASTING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 KILN-OPERATOR HELPER

ORE DRESS SM -2P 3 M--4-- O-3-56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 SINTER FEEDER

IRON / STEEL -2- 4 M--4-- I---5-7

.782-014 ROTARY-KILN OPERATOR

ORE DRESS SM -3P 4 M-34-- B----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 KILN OPERATOR

ORE DRESS SM -3- 4 L--4-- I-3-56-

514. POURING AND CASTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-034 SPOUT WORKER

ORE DRESS SM -2- 3 M--4-- I-3-567

.885-010 CENTRIFUGAL-CASTING-MACHINE OP

FOUND -3P 4 M--4-- I-3--6-

.885-034 TUBE-CLEANING OPERATOR

FOUND -2- 2 M--4-- I-----

.884-010 CASTER

ORE DRESS SM -3P 4 M--4-6 I-3--67

.884-014 CUPOLA TAPPER

FOUND -2P 2 L--4-6 I-3-567

.884-022 LADLE POURER

ORE DRESS SM -2P 4 M--4-6 I-3--67

.884-026 POURER CRUCIBLE

FOUND -1- 3 M--4-6 I-3-567

.884-030 POURER METAL

FOUND -1- 3 M--4-6 I-3-567

.884-034 TAPPER

NONFER METAL -2P 4 H--4-6 I-3--67

.782-010 CASTING OPERATOR

NONFER METAL -2P 4 M--4-- I-3--6-

.782-026 PRESS OPERATOR, CARBON BLOCKS

ORE DRESS SM -3P 5 L--4-- I-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 CASTING-HOUSE HELPER

NONFER METAL -2- 2 H-34-- I-3--67

.887-038 TAPPER HELPER

ORE DRESS SM -3P 3 H-34-- I---67

.885-014 CENTRIFUGAL-CASTING-MACHINE OP

FOUND -2P 2 M--4-- I-3--6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 CASTING-WHEEL-OPERATOR HELPER

ORE DRESS SM -2P 3 M-34-- I-3--6-

.887-042 WAX-PATTERN COATER

FOUND -2- 2 M--4-6 I-----

.885-018 DIE-CASTING-MACHINE OPERATOR

FOUND -3P 2 M--4-- I-3--6-

.885-022 DIE-CASTING-MACHINE OPERATOR

TOYS / GAMES -2P 3 H--4-- I-3-56-

.885-026 LIME MIXER TENDER

IRON / STEEL -2P 3 M--4-- I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-014 CASTING-OPERATOR HELPER

NONFER METAL -3P 3 M--4-- I-3--6-

.887-026 MOLD WORKER

IRON / STEEL -2P 2 M2-4-- O-----

.885-030 NOZZLE-AND-SLEEVE WORKER

NONFER METAL -3P 3 M--4-- I-----

.884-018 INGOT HEADER

NONFER METAL -3- 4 M--4-6 I-3--67

514. POURING AND CASTING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-022 METAL CONTROL WORKER	FOUND	-2-	2	M--4--	I-----
.887-030 PLASTERER MACHINE	FOUND	-2P	3	L--4--	I-----
.782-022 DIE-CASTING-MACHINE OPERATOR	FOUND	-3P	4	M--4--	I-3--6-
.782-030 VACUUM CASTER	FOUND	-3P	5	M--4-6	I-3----
.687-010 CASTING INSPECTOR	FOUND	-2-	2	H--4-6	I-----7

515. CRUSHING AND GRINDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 HAMMER-MILL OPERATOR	ORE DRESS SM -1-	3	M--4--	I-----
.885-014 CRUSHER TENDER	ORE DRESS SM -3P	4	H--4--	I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BATCH MAKER	IRON / STEEL -3P	2	L--4--	I-----
----------------------	------------------	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-022 STAMPING MILL TENDER	ORE DRESS SM -2P	4	L--4--	I-----
-------------------------------	------------------	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018 SCALE-RECLAMATION TENDER	ORE DRESS SM -3P	4	M--4--	O----67
.885-026 WEIGHER-AND-CRUSHER	ORE DRESS SM -3P	4	M--4--	B-----
.782-010 GRINDING-MILL OPERATOR	MINING / QUA -3P	5	L--4--	I---5--

518. MOLDING, COREMAKING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FOUNDRY LABORER CORE ROOM	FOUND	-3P	2	M-34--	I-----
.885-010 CORE-OVEN TENDER	FOUND	-3-	2	M--4--	I---6-
.885-014 COREMAKER MACHINE	FOUND	-3P	3	M--4-6	I-----7
.885-018 COREMAKER MACHINE	FOUND	-2P	2	M-34--	I-----7
.885-022 COREMAKER MACHINE	FOUND	-2P	2	M--4--	I-----7
.885-026 SHELL MOLDER	FOUND	-2P	2	L--4--	I---67
.885-030 SHELL-MOLD-BONDING-MACHINE OPE	FOUND	-3P	2	L--4-6	I-3--67
.883-010 SAND-SLINGER OPERATOR	FOUND	-2P	3	L--4--	I---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-014 MOLD-MAKER HELPER	ORE DRESS	-3P	3	M-34--	I---6-
.884-014 COREMAKER PIPE	FOUND	-3P	5	M--4--	I-3---7
.780-010 SETTER, MOLDING-AND-COREMAKING	FOUND	-3P	3	M--4--	I-----

Ore Refining and Foundry Work

PHYS.D WK COND
HRP SVP 123456 1234567

518. MOLDING, COREMAKING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 CORE SETTER
.884-018 MOLD CLOSER
.884-022 MOLD MAKER
.884-030 WAX-PATTERN ASSEMBLER
.884-034 WAX-PATTERN REPAIRER
.882-010 MACHINE MOLDER

FOUND -2- 2 M--4-- I---5-7
FOUND -2P 4 H--4-- I-----7
ORE DRESS -3P 4 M--4-- I-----6-
FOUND -2P 2 M--4-6 I-----
FOUND -2P 2 M--4-6 I-----
FOUND -3P 4 M--4-- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-026 PLASTER MOLDER
.687-010 CORE CHECKER

FOUND -3P 5 M--4-6 I-----
FOUND -3- 2 M--4-6 I-----

519. ORE REFINING AND FOUNDRY WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CARBON SETTER
.887-014 CELL PLASTERER
.887-018 DUST PULLER
.887-030 RODDING-ANODE WORKER
.887-034 STOPPER-MAKER HELPER
.887-038 TEST-WORKER
.886-010 LABORER GENERAL
.886-014 TOP-PRECIPITATOR-OPERATOR HELP
.885-022 GRANULATOR TENDER
.885-046 MUD BOSS
.885-050 MUD-MILL TENDER
.885-066 STANDPIPE TENDER
.884-018 LEAF COVERER
.884-034 STOPPER MAKER
.884-038 TOOL REPAIRER
.883-010 DROSS SKIMMER
.883-018 OPERATOR DOOR MACHINE
.883-022 PUSHER OPERATOR
.883-026 HOT-CAR OPERATOR

ORE DRESS SM -3- 3 H-34-- I-3--67
ORE DRESS SM -1P 3 L--4-- I-----
ORE DRESS SM -1- 2 L--4-- B-----7
ORE DRESS SM -2P 3 H-34-- I-----6-
IRON / STEEL -2P 3 H--4-- I-----6-
FOUND -2- 2 L--4-- I-3-567
NONFER METAL -2- 2 H--4-- I-----
ORE DRESS SM -3P 2 M--4-- O----67
IRON / STEEL -2- 4 M--4-- B-3-56-
ORE DPRESS SM -3P 4 M234-- I-----7
ORE DRESS SM -2- 3 M--4-- I--4---
COKE PROD -3P 2 M234-- O-3-567
ORE DRESS SM -2P 3 M2---- I--4-6-
IRON / STEEL -2- 4 H--4-- I-----
ORE DRESS SM -2P 5 L--4-- I-----
ORE DRESS SM -2P 4 H--4-- I-3----
COKE PROD -3P 3 M-34-6 B-3-567
COKE PROD -3P 3 M234-6 B-3-567
COKE PROD -3P 3 S2-4-6 I-34567

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-014 DIGESTION OPERATOR
.885-070 TANK-HOUSE OPERATOR HELPER

ORE DRESS SM -2- 4 H2-4-- O----67
ORE DRESS SM -2P 3 M234-- I--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-022 FOUNDRY WORKER GENERAL
.887-026 LABORER GENERAL
.885-058 ROD-MILL TENDER
.883-014 LARRY OPERATOR

FOUND -3P 2 H--4-- I-3--6-
ORE DRESS SM -3- 2 H-34-- B----67
CEMENT FERTI -3P 4 L2-4-- I---5-7
COKE PROD -3P 3 M--4-6 B-3--67

519. ORE REFINING AND FOUNDRY WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 BRIQUETTING-MACHINE OPERATOR
.884-014 LADLE LINER
.884-022 MOLD DRESSER

ORE DRESS SM -2P 3 L--45- I-----
FOUND --3P 4 M-34-6 I---5-7
ORE DRESS SM -2P 4 M--4-- I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018 FLUX MIXER
.885-026 GRINDER-MILL OPERATOR
.885-034 HARDNESS TESTER
.885-042 KETTLE TENDER I
.885-054 RECOVERY-OPERATOR HELPER
.885-062 SAMPLE TESTER-GRINDER
.885-074 WET-PLANT OPERATOR
.884-010 CARNALLITE-PLANT OPERATOR
.884-030 RAW SAMPLER
.782-014 RECOVERY OPERATOR
.387-010 MANOMETER TECHNICIAN

NONFER METAL -3P 3 H-34-- I-3--67
ORE DRESS SM -3P 4 L--4-- I---5--
MINING / QUA -3- 3 L--4-- I---5--
ORE DRESS SM -3- 4 M--4-6 I-3--67
ORE DRESS SM -3P 3 M23--- I---67
MINING / QUA -3- 4 L--4-- I---5--
ORE DRESS SM -3- 4 L--4-- I-----
ORE DRESS SM -2- 4 M--4-- I-----
ORE DRESS SM -3P 4 L--4-- I-----7
ORE DRESS SM -3P 5 M23--- I---67
ORE DRESS SM -3- 3 L--4-- B---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 POT LINER

ORE DRESS SM -3P 4 M-34-- I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-038 KETTLE OPERATOR

ORE DRESS SM -3- 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030 GROUT MACHINE TENDER

ORE DRESS SM -2P 2 M2---- I-----

PROCESSING OF FOOD AND RELATED PRODUCTS (520.-529.)

Occupations in this area are concerned with preparing food, tobacco, and related products for commercial applications by slaughtering, cutting, separating, crushing, sifting, blending, grinding, fermenting, culturing, distilling, heating, melting, rendering, drying, cooking, baking, packing, and related operations. There are 680 occupational titles from this area listed in this handbook.

Over half of the occupations in this area have minimal cognitive demands, but each of the other seven combinations of cognitive demands also has substantial numbers of occupational titles. Language demands tend to be focused on the interpretation of written materials and the entry of operational data on records rather than upon extensive verbal communication. Mathematics demands are heavily tied to the instrumentation and controls of processing equipment but also are associated with such activities as interpreting the results of analytic tests, setting and adjusting metering devices to deliver a specified volume or weight of an ingredient, calculating amounts of ingredients, and calculating contents of products. Perceptual processing demands often derive from control adjustments which are based upon observations of color, uniformity, and texture or upon feel to determine consistency.

Although computer control is tending to replace manual operation of processing equipment, a substantial number of occupations still involve such manual control. Tending automated processing equipment requires rapid response to trouble indicators to prevent jam-ups, spoilage, equipment damage, or hazard. Psychomotor skills may also be associated with hand operations such as icing cakes or boning poultry and fish. Mechanical skills can be a definite asset in minor maintenance of equipment. Fundamental knowledge of chemistry and biology can be an asset in understanding food processes.

The processing of food and related products occurs in nearly all geographic regions of the country but is most concentrated around rural areas near the source of farm products and urban population centers which represent the final markets. Occupations closely associated with the raw materials are often subject to seasonal employment. Career progression opportunities are limited.

PHYS.D WK COND
HRP SVP 123456 1234567

520. MIXING, COMPOUNDING, BLENDING, KNEADING, SHAPING, AND RELATED WORK

Language	Mathematics	Perceptual/Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BLENDER LABORER
.887-014 BLINTZE ROLLER
.887-018 BURRITO MAKER
.887-022 CANDY MOLDER HAND
.887-026 CANDY SPREADER
.887-030 COLLECTOR
.887-038 FOOD MIXER

TOBACCO -1- 1 V-34-- I-----
FOOD PREP N -1P 2 M----- I-----
FOOD PREP N -2P 2 L--4-- I-----
CONFECTION -2- 4 L--4-- I-----
CONFECTION -2P 3 M--4-- I-----
FOOD PREP N -1- 2 M----- I-----
GRAIN / FEED -2- 2 M--4-- I-----

520. MIXING, COMPOUNDING, BLENDING, KNEADING, SHAPING, AND RELATED WORK (CONT.)

.887-042 GUM PULLER	CHEW GUM	-2-	2	M-34--	I-----
.887-050 LUMP WRAPPER HAND	TOBACCO	-1P	2	L--4--	I-----
.887-058 PRETZEL TWISTER	BAKE PROD	-2P	2	L--4--	I-----
.887-066 SIRUP-MIXER ASSISTANT	CORN PROD	-1-	2	V234--	I-----
.886-010 BALL-MACHINE OPERATOR	CONFECTION	-2P	2	L--4-6	I---5--
.886-014 COFFEE DUMPER	FOOD PREP N	-1-	1	H--4--	I---5--
.886-018 DESSERT-CUP-MACHINE FEEDER	BAKE PROD	-1P	2	L--4--	I-----
.886-022 DRY-FLAVORING MACHINE FEEDER	TOBACCO	-1-	2	L2-4--	I-----
.886-026 FEED-MIXER HELPER	GRAIN / FEED	-2-	1	H--4--	I-----
.886-030 FLOUR-BLENDER HELPER	GRAIN / FEED	-2-	2	H--4--	I-----
.886-042 MOLDING-MACHINE-OPERATOR HELPE	CONFECTION	-2-	2	M--4--	I-----
.886-046 PLUG SHAPER MACHINE	TOBACCO	-1-	2	M--4--	I---5--
.886-050 SNUFF-BLENDING-MACHINE-OPERATO	TOBACCO	-1-	2	M--4--	I-----
.885-034 BLENDING-TANK TENDER	FLAV EXT / S	-2P	2	H234--	I--4---
.885-038 BRINE-MIXER OPERATOR AUTOMATIC	CAN / PRESER	-2-	2	L--4--	I-----
.885-046 BULK-SAUSAGE-STUFFING-MACHINE	SLAUGHT / ME	-2-	2	M--4--	I-----
.885-050 CAKE FORMER	OILS / FATS	-2P	2	L--4--	I---5--
.885-054 CAKE STRIPPER	OILS / FATS	-2-	2	M--4--	I---5--
.885-070 CASTING-MACHINE OPERATOR	CONFECTION	-2-	2	L--4--	I-----
.885-074 CASTING-MACHINE OPERATOR	DAIRY PROD	-3P	2	L2-4-6	I-----
.885-078 CHOPPING-MACHINE OPERATOR	SLAUGHT / ME	-3-	4	M--4--	I---5--
.885-082 CHURN OPERATOR, MARGARINE	OILS / FATS	-3-	2	L--4--	I-----
.885-098 COOKER CASING	TOBACCO	-3-	3	M--4--	I-----
.885-114 DRESSING-MACHINE OPERATOR	TOBACCO	-2-	2	M--4--	I-----
.885-122 FEED MIXER	GRAIN / FEED	-2-	2	H-34--	I-----7
.885-126 FEEDER OPERATOR AUTOMATIC	GRAIN / FEED	-3-	3	L--4--	I---5-7
.885-134 FLOUR BLENDER	GRAIN / FEED	-2-	3	H--4--	I---5-7
.885-142 GRAIN MIXER	GRAIN / FEED	-2P	3	L--4--	I-----7
.885-146 GREEN-COFFEE BLENDER	FOOD PREP N	-2-	2	V-34--	I-----
.885-154 KETTLE TENDER	CHEW GUM	-2-	2	H--4--	I-----
.885-170 MILL FEEDER	GRAIN / FEED	-2P	2	M--4--	I-----7
.885-174 MINGLER OPERATOR	SUGAR	-2P	3	M--4--	I---5--
.885-210 MIXING-MACHINE OPERATOR	CAN / PRESER	-2-	3	H--4--	I---5--
.885-222 MOLDER MEAT	SLAUGHT / ME	-2-	2	M-34--	I--4---
.885-226 PELLET-MILL OPERATOR	GRAIN / FEED	-2P	2	L--4--	I---5--
.885-230 PLUG SHAPER HAND	TOBACCO	-3P	2	M--4--	I-----
.885-234 POTTER	TOBACCO	-2P	2	L-34--	I-----
.885-238 PRESS OPERATOR MEAT	SLAUGHT / ME	-2-	2	M--4--	I-----
.885-242 PRESSER	CORN PROD	-1P	2	L--4--	I-----
.885-250 PRETZEL-TWISTING-MACHINE OPERA	BAKE PROD	-2P	2	L-34--	I-----
.885-258 ROLLING-MACHINE OPERATOR	CONFECTION	-2P	5	M--4--	I-----
.885-266 SAUSAGE MIXER	SLAUGHT / ME	-2-	2	V-34--	I-----
.885-274 SNUFF-BLENDING-MACHINE OPERATO	TOBACCO	-3-	3	L--4--	I-----
.885-282 STARCH-TREATING ASSISTANT	CORN PROD	-3-	4	H234--	O----67
.885-290 STUFFER	SLAUGHT / ME	-2P	2	M--4--	I--4---
.885-294 SWEET-GOODS-MACHINE OPERATOR	BAKE PROD	-3P	3	M--4--	I-----
.885-298 TRAY-CASTING-MACHINE OPERATOR	DAIRY PROD	-3P	2	L--4-6	I-----
.885-302 TUMBLER TENDER	FOOD PREP N	-2-	2	L2-4--	I-----
.885-306 YEAST CUTTER	FOOD PREP N	-3-	2	L--4-6	I-----
.884-018 ROLLER	CONFECTION	-2-	5	M--4--	I-----

Processing of Food and Related Products

PHYS.D WK COND
HR: SVP 123456 1234567

520. MIXING, COMPOUNDING, BLENDING, KNEADING, SHAPING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-030 BLENDING-LINE ATTENDANT
.885-086 CHURNER
.587-010 SCRAP SEPARATOR

TOBACCO -3P 3 M--4-- I---5--
OILS / FATS -3P 2 L-345- I-----
MACARONI / R -2- 2 M-34-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-034 FILLER MIXER
.887-046 HOP WEIGHER
.887-054 MINCEMEAT MAKER
.887-062 SEASONING MIXER
.887-070 SPICE MIXER
.886-034 GLUCOSE-AND-SIRUP WEIGHER
.886-038 MASHING HAND
.885-010 BATTER MIXER
.885-026 BLENDER-MACHINE OPERATOR
.885-062 CANDY-MAKER HELPER
.885-066 CASING-FLUID TENDER
.885-090 COCOA-POWDER-MIXER OPERATOR
.885-138 FLOUR MIXER
.885-162 LUMP-MACHINE OPERATOR
.885-166 MASH GRINDER
.885-178 MIXER
.885-186 MIXER DRY-FOOD PRODUCTS
.885-198 MIXER OPERATOR
.885-202 MIXER WHIPPED TOPPING
.885-206 MIXER-AND-BLENDER
.885-218 MIXING-TANK OPERATOR
.885-262 SAUSAGE MAKER
.885-278 SPICE MIXER
.782-018 CENTER-MACHINE OPERATOR
.782-046 EXTRUDER OPERATOR
.782-066 WHIPPED-TOPPING FINISHER

TOBACCO -2- 2 L--4-- I-----
MALT LIQUORS -2- 1 M-34-- I2---7
CAN / PRESER -3- 3 M--4-- I-----
SLAUGHT / ME -2- 2 M--4-- I-----
CAN / PRESER -2- 2 L--4-- I---5--
CHEW GUM -2- 2 H--4-6 I-----
TOBACCO -3- 2 H-34- I-----
FOOD PREP N -2- 4 H--4-- I-----
OILS / FATS -2- 2 M--4-- I-----
CONFECTION -2- 4 M-34-6 I-----
TOBACCO -2- 3 M--4-- I-----
CHOC / COCOA -3- 3 M--4-- I-----
GRAIN / FEED -2- 2 H-34-- I-----7
TOBACCO -2- 2 L--4-- I-----
DAIRY PROD -3P 2 H-34-- I---5-7
FOOD PREP N -3P 4 M--4-6 I-----
FOOD PREP N -3P 4 H--4-6 I-----
SALT PRODUCT -3- 2 H--4-- I-----
FOOD PREP N -3- 3 M--4-- I--456-
FOOD PREP N -3- 4 H--4-- I---5--
OILS / FATS -3- 2 H-34-- I---5--
SLAUGHT / ME -2- 2 N--4-- I-----
FOOD PREP N -2- 2 L--4-- I-----7
CONFECTION -3- 5 M--4-6 I-----
CEREAL -2P 5 L--4-6 I-----
OILS AND FAT -3P 4 L--4-- I--45--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 BATTER MIXER
.885-094 CONFECTIONERY-DROPS-MACHINE OP
.885-106 DIVIDING-MACHINE OPERATOR
.885-110 DOUGH-BRAKE-MACHINE OPERATOR
.885-118 FEED BLENDER
.885-130 FLAKING-ROLL OPERATOR
.885-150 ICING MIXER
.885-214 MIXING-MACHINE OPERATOR
.885-246 PRESSMAN
.884-010 ALMOND-PASTE MOLDER

BAKE PROD -3P 4 L--4-- I-----
CHOC / COCOA -2- 4 L--4-- I-----
BAKE PROD -3P 3 L--4-- I-----
BAKE PROD -2P 4 M--4-- I-----
CORN PROD -2- 2 M--4-- I--4---
CEREAL -2P 3 L--4-6 I-----
BAKE PROD -3- 3 M--4-6 I-----
FOOD PREP N -3- 2 L--4-6 I-----
MACARONI / R -3P 4 M--4-- I--4---
CONFECTION -2P 5 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018 BLENDER

BAKE PROD -3- 2 V--4-- I-----7

520. MIXING, COMPOUNDING, BLENDING, KNEADING, SHAPING, AND RELATED WORK (CONT.)

.885-042 BROTH MIXER	BAKE PROD	-3P	4	H--34-	I-----
.885-102 COOLER TENDER	SUGAR	-3-	4	M--4--	I-----
.885-254 REFINED SIRUP OPERATOR	SUGAR	-3-	4	M--4--	B--4---
.885-270 SIRUP MAKER	FLAV EXT / S	-3-	4	M-3--6	I--4---
.885-286 STARCHMAKER	CORN PROD	-3-	3	L--4--	I--4---
.782-022 CISTERN-ROOM OPERATOR	DISTILLED LI	-3-	4	L--4--	I-----
.782-030 CUBELET STATION OPERATOR	SUGAR	-3-	4	L--4--	I--4---
.782-038 DOUGH-MIXER OPERATOR	BAKE PROD	-3P	5	L-34--	I-34--7
.687-014 CASING-MATERIAL WEIGHER	TOBACCO	-2-	2	M--4--	I-----
.487-014 PANTRY WORKER	CONFECTION	-3-	3	L-34-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-022 BLENDER SNUFF	TOBACCO	-2-	2	L--4--	I-----7
.885-194 MIXER OPERATOR	FLAV EXT / S	-2-	3	L--4-6	I-----7
.782-050 GUM-SCORING-MACHINE OPERATOR	CHEW GUM	-3P	5	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-182 MIXER CHILI POWDER	FOOD PREP N	-3P	3	H--4-6	I-----7
.885-190 MIXER OPERATOR	CHOC / COCOA	-3P	4	H--4--	I-----
.782-010 BLENDING-PLANT OPERATOR	OILS / FATS	-3-	5	L--4--	I--4---
.782-034 DOUGH MIXER	BAKE PROD	-3P	5	H--4--	I-----
.687-010 BLENDER	TOBACCO	-3-	2	M-34--	I-----

521. SEPARATING, CRUSHING, MILLING, CHOPPING, GRINDING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ALMOND BLANCHER HAND	NUT PROCESS	-1P	1	S--4-6	I--4---
.887-014 BATTERY-OPERATOR HELPER	SUGAR	-2P	2	M--4--	I--4---
.887-018 BINDER CUTTER HAND	TOBACCO	-2-	2	L--4--	I-----
.887-022 BONE PICKER	CAN / PRESER	-2-	1	L--4-6	I--4-67
.887-026 CHAR PULLER	CORN PROD SU	-2P	2	H-34--	I--4--7
.887-030 CHAR-FILTER-OPERATOR HELPER	SUGAR	-3P	3	H--4--	I-3----
.887-034 COFFEE-ROASTER HELPER	FOOD PREP N	-1-	1	L--4--	I-----
.887-038 DRIP-BOX TENDER	CORN PROD	-2-	1	M--4--	I--4---
.887-046 FILLER SPREADER	TOBACCO	-1-	2	M--4--	I-----
.887-050 FILTER CHANGER	MALT LIQUORS	-2P	2	M--4--	I2-----
.887-054 FILTER-SCREEN CLEANER	MALT LIQUORS	-1-	2	M-34--	I2-4---
.887-062 FRUIT CUTTER	CONFECTION	-1-	1	L--4--	I-----
.887-066 FISHER CHOPPER, GANG KNIFE	CAN / PRESER	-1-	2	V-34--	I--4--7
.887-070 HONEYCOMB DECAPPER	FOOD PREP N	-2P	3	H-34--	I--4-6-
.887-074 LABORER SIRUP MACHINE	CORN PROD	-2-	1	H--4--	I--4---
.887-082 NUT SORTER	NUT PROCESS	-1-	2	S--4-6	I-----
.887-086 NUT STEAMER	NUT PROCESS	-2-	2	H-34--	I-34-6-
.887-090 PEELED-POTATO INSPECTOR	FOOD PREP N	-1-	2	L--4-6	I----38
.887-094 PICKER	TOBACCO	-1-	2	L--4-6	I-----7
.887-098 PICKING TABLE WORKER	SUGAR	-1-	1	L--4--	I-----

Processing of Food and Related Products

PHYS.D WK COND

HRP SVP 123456 1234567

521. SEPARATING, CRUSHING, MILLING, CHOPPING, GRINDING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-102 RIDDLER CLEANER	TOBACCO	-1-	2	L--4--	I-----
.887-106 SAUSAGE-MEAT TRIMMER	SLAUGHT / ME	-2P	2	H--4--	I2-----
.887-110 SHAKER	TOBACCO	-1-	1	L--4--	I-----
.887-114 SHAKER WASHER	CORN PROD	-1P	2	M2-4--	I--4--7
.887-118 SHELLER	NUT PROCESS	-1P	2	L--4--	I-----
.887-122 SHELLFISH SHUCKER	CAN / PRESER	-1P	3	L--4--	I--4-6-
.887-126 SKIN LIFTER BACON	SLAUGHT / ME	-1-	2	M--4--	I----6-
.887-130 SKULL GRINDER	SLAUGHT / ME	-1-	2	L--4--	I-----
.887-134 STEMMER HAND	TOBACCO	-2P	2	L--4--	I-----
.887-138 BUNCH TRIMMER, MOLD	TOBACCO	-1-	2	L--4--	I-----
.886-010 BOLTER HELPER	GRAIN / FEED	-2P	2	L2-4--	I---5-7
.886-014 CAKE PULLER	OILS / FATS	-2-	2	H-34--	I---5--
.886-018 CHICLE-GRINDER FEEDER	CHEW GUM	-2P	2	M-34-6	I-----
.886-022 COTTON PULLER	OILS / FATS	-2P	1	L--4--	I---5-7
.886-030 CUT-IN WORKER	GRAIN / FEED	-1P	2	H--4--	I-----7
.886-038 FLUMER	CORN PROD	-2P	1	M--4--	I-----
.886-042 FLUMER	SUGAR	-2-	1	L2-4--	O--4---
.886-046 NUT CHOPPER	CONFECTION F	-2P	1	L--4--	I-----
.886-050 PROCESSOR HELPER	GRAIN / FEED	-2P	2	M--4--	I-----
.886-054 SCRAP SORTER	TOBACCO	-1-	2	M-34--	I-----
.886-058 SLICE-PLUG-CUTTER-OPERATOR HEL	TOBACCO	-1-	2	L--4--	I-----
.885-010 ALMOND HULLER	AGRIC	-2-	3	H-34--	I---5-7
.885-022 ALMOND-GRINDING-MACHINE OPERAT	NUT PROCESS	-2-	2	L--4-6	I-----
.885-026 BLEACHER LARD	OILS / FAT S	-3-	2	M--4--	I-----
.885-034 BREAKING-MACHINE OPERATOR	CHEW GUM	-1-	2	M--4--	I-----
.885-038 BRINE-TANK-SEPARATOR OPERATOR	CAN / PRESER	-2-	2	L--4--	I-----
.885-042 WINERY WORKER	VINOUS LIQUO	-3-	2	M234--	I--4--7
.885-062 CENTRIFUGE OPERATOR	FOOD PREP N	-2-	2	L--4-6	I-----
.885-066 CLARIFIER	CORN PROD OI	-3-	3	L--4--	I-----
.885-070 CLARIFIER	VINOUS LIQUO	-2-	4	L--4--	I-----7
.885-078 CLEAN-RICE GRADER AND REEL TEN	GRAIN / FEED	-3P	4	L--4--	I-----
.885-082 COCOA-BEAN CLEANER	CHOC / COCOA	-3-	2	M--4--	I---5-7
.885-086 COCOA-BUTTER-FILTER OPERATOR	CHOC / COCOA	-2-	2	L-34--	I-----
.885-090 COCOA-ROOM OPERATOR	CHOC / COCOA	-3P	4	H--4--	I---67
.885-094 COFFEE GRINDER	FOOD PREP N	-2-	2	L--4--	I-----
.885-106 CRACKING-AND-FANNING-MACHINE O	CHOC / COCOA	-2P	4	M-34--	I-----
.885-110 CRUSHING-MACHINE OPERATOR	VINOUS LIQUO	-3P	4	L--4--	O-----
.885-114 CUTTER FROZEN MEAT	CAN / PRESER	-2-	2	V-34--	I---56-
.885-118 CUTTING-MACHINE OPERATOR	CONFECTION	-2P	5	M--4--	I-----
.885-126 ELECTRIC-SORTING-MACHINE OPERA	NUT PROCESS	-2-	3	L--4-6	I-----
.885-134 FEED GRINDER	GRAIN / FEED	-2P	2	L--4--	I---5-7
.885-138 FILTER PRESS TENDER	VINOUS LIQUO	-2-	3	L--4--	I-----7
.885-146 FILTERING MACHINE TENDER	CORN PROD	-2P	4	L--4--	I-----
.885-150 FILTER TANK TENDER HELPER, HEA	CORN PROD	-2P	2	M-34--	I-3----
.885-154 FILTER TENDER, JELLY	CAN / PRESE	-2P	2	L--4--	I---6-
.885-162 FRUIT-PRESS OPERATOR	CAN / PRESER	-2P	2	V--4--	I--45--
.885-166 GLUTEN-SETTLING TENDER	CORN PROD	-2P	2	H234--	I--4--7
.885-170 GRADER TENDER	AGRIC	-2P	3	M--4--	I---5--
.885-174 GRANULATING-MACHINE OPERATOR	TOBACCO	-2-	2	M-34--	I-----
.885-186 GRINDER OPERATOR	CEREAL	-2P	2	L--4--	I-----

521. SEPARATING, CRUSHING, MILLING, CHOPPING, GRINDING, AND RELATED WORK (CONT.)

.885-190 GRINDER TENDER	GRAIN / FEED -2P 2	L--4-- I---5-7
.885-198 HONEY EXTRACTOR	FOOD PREP N -2- 3	M234-- I--456-
.885-202 HOP STRAINER	MALT LIQUORS -3P 2	L--4-- I-----
.885-206 HOPPER ATTENDANT	SUGAR -2P 2	M--4-- I-----
.885-210 HOT-WORT SETTLER	MALT LIQUORS -2- 2	L--4-- I--4---
.885-242 MEAT GRINDER	SLAUGHT / ME -2- 2	H-34-- I---5---
.885-246 MEAT-GRADING-MACHINE OPERATOR	NUT PROCESS -2P 2	M--4-- I-----
.885-250 MILK-POWDER GRINDER	DAIRY PROD -2P 2	H-34-- I---5-7
.885-258 MILLER	MALT LIQUORS -2- 2	L--4-- I-----7
.885-262 CRUSHER OPERATOR	SUGAR -1P 3	M--4-- I---5--
.885-270 MONITOR-AND-STORAGE-BIN TENDER	GRAIN / FEED -3P 2	LL234- 6I--567
.885-274 OILSEED MEAT PRESSER	OILS / FATS -2P 2	M--4-- I---5--
.885-290 PRESS OPERATOR	DISTILLED LI -2- 2	L--4-- I-----
.885-294 FILTER-PRESS TENDER, HEAD	CORN PROD -3P 4	M--4-- I-34--7
.885-298 PRESS TENDER, HEAD, FEED HOUSE	CORN PROD -3P 4	L2-4-- O-----
.885-302 PROCESSOR GRAIN	GRAIN / FEED -3P 2	L2-4-6 I---5-7
.885-306 PULP-PRESS TENDER	SUGAR -2P 4	L--4-- I-----
.885-310 PULPER TENDER	CAN / PRESER -3P 2	M--4-- I---5--
.885-314 RAISIN WASHER	FOOD PREP N -1- 2	L----- I-----
.885-318 RIDDLER OPERATOR	TOBACCO -2- 2	M-34-- I-----
.885-326 SAND-SCREEN OPERATOR AUTOMATIC	TOBACCO -2P 2	L----- I-----7
.885-330 SCREEN-ROOM OPERATOR	SUGAR -3P 3	M--4-- I---5--
.885-334 SEPARATOR TENDER	CORN PROD -3P 3	M2-4-- I--4--7
.885-338 SEPARATOR OPERATOR	GLUE -2- 2	L----- I-----
.885-342 SEPARATOR OPERATOR SHELLFISH M	CAN / PRESER -2P 2	M-34-- I--456-
.885-346 SHELLER	NUT PROCESS -2P 3	L--4-- I---5-7
.885-350 SIEVE-GRADER TENDER	CAN / PRESER -2P 2	L--4-- I--4---
.885-354 SLICE-PLUG-CUTTER OPERATOR	TOBACCO -3P 2	L--4-- I-----
.885-358 SLICING-MACHINE OPERATOR	BAKE PROD -2P 2	L--4-- I-----
.885-362 SLICING-MACHINE OPERATOR	SLAUGHT / ME -3P 2	L--4-56 I-----
.885-366 SMOKING-TOBACCO-CUTTER OPERATO	TOBACCO -2P 2	L--4-- I-----
.885-370 SNUFF GRINDER	TOBACCO -2P 2	L--4-- I-----7
.885-374 SNUFF SCREENER	TOBACCO -2- 2	L--4-- I-----
.885-382 SORTING-MACHINE OPERATOR	CAN / PRESER -2- 4	H-34-- I-----
.885-386 SPICE CLEANER	FOOD PREP N -2- 2	H-34-- I-----7
.885-390 SPICE MILLER	FOOD PREP N -2P 4	H--4-- I-----7
.885-394 STEM-ROLLER-OR-CRUSHER OPERATO	TOBACCO -2P 2	M-34-- I-----
.885-398 STEMMER MACHINE	TOBACCO -2P 2	L--4-- I-----
.885-402 STRIP-CUTTING-MACHINE OPERATOR	TOBACCO -2P 2	L--4-- I-----
.885-406 STRIPPER-CUTTER MACHINE	MACARONI / R -3P 2	L--4-- I-----
.885-410 SUGAR GRINDER	SUGAR -3P 3	H-34-- I-----
.885-414 SUGAR PRESSER	CORN PROD -1- 2	M--4-- I-----
.885-422 SUGAR-MILL OPERATOR	TOBACCO -2- 3	H-34-- I-----
.885-426 THRESHER	TOBACCO -2- 2	L-34-- I-----
.885-430 TIPPLE TENDER	CORN PROD -1- 2	H--4-- I-----
.885-438 WINTERIZER	OILS / FATS -2P 2	L--4-- I-----
.884-010 BATCH-TANK CONTROLLER	CORN PROD -2- 3	L2-4-- I-----7
.884-014 OFFAL SEPARATOR	SLAUGHT / ME -2P 3	L--4-6 I--4-67

Processing of Food and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

521. SEPARATING, CRUSHING, MILLING, CHOPPING, GRINDING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-026	CUSTOM-FEED-MILL-OPERATOR HELP	GRAIN / FEED -2P	2	H--4--	I-----7
.885-018	ALMOND-CUTTING-MACHINE TENDER	NUT PROCESS -2P	3	L--4-6	I---5--
.885-078	LABORATORY MILLER	GRAIN / FEED -2P	3	L--4--	I-----
.885-266	GRAIN-MILLER HELPER	DISTILLED LI -3P	3	M--45-	I-----7
.782-018	CENTRIFUGAL OPERATOR	CORN PROD SU -3-	4	M--45-	I-345--
.782-070	SHRIMP-PEELING-MACHINE OPERATO	CAN / PRESER -3P	5	L234--	I--456-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014	ALMOND-BLANCHER OPERATOR	NUT PROCESS -2-	2	L--4-6	I-----
.885-050	CENTRIFUGE OPERATOR	CAN / PRESER -2-	3	L--4--	I--45--
.885-054	CENTRIFUGE OPERATOR	CORN PROD -3P	4	L2-4--	O-----
.885-058	CENTRIFUGE OPERATOR	DAIRY PROD -3P	2	H-34--	I--45--
.885-074	CLARIFIER OPERATOR	SUGAR -3-	3	M--4--	I--4-67
.885-178	GRANULATOR OPERATOR	SUGAR -3P	4	L--4--	I-----
.885-214	DETHISTLER OPERATOR	CAN / PRESER -3-	4	M-34--	I-----
.885-238	MASH-FILTER OPERATOR	MALT LIQUORS -2P	2	L--4--	I-34---
.885-294	FILTER-PRESS TENDER, HEAD	GRAIN / FEED -3P	4	M-34--	I---567
.782-010	BATTERY OPERATOR	SUGAR -3-	4	M--4--	I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-042	EGG BREAKER	ANY IND -2P	3	L--4--	I-----
.887-058	FISH-LIVER SORTER	CAN / PRESER -2P	2	M--4-6	I--4--7
.886-034	FISH-MACHINE FEEDER	CAN / PRESER -1-	2	M--4--	I--4--7
.885-098	CORN GRINDER	FOOD PREP N -2-	3	M--4--	I--4---
.885-122	EGG-BREAKING-MACHINE OPERATOR	SLAUGHT / ME -2-	3	L--4--	I-----
.885-130	EXTRACTOR-MACHINE OPERATOR	FLAV EXT / S -3-	2	L234--	I--4---
.885-158	RICE CLEANING MACHINE TENDER	GRAIN / FEED -3P	4	L234--	I---567
.885-194	HASHER OPERATOR	SLAUGHT / ME -2-	2	H-34--	I--4---
.885-222	LINTER TENDER	OILS / FATS -2P	2	M-34--	I---5-7
.885-230	LIQUOR-GRINDING-MILL OPERATOR	CHOC / COCOA -3P	4	M--4-6	I-----
.885-234	LYE-PEEL OPERATOR	CAN / PRESER -2P	2	L--4--	I---56-
.885-254	MILL OPERATOR	CORN PROD -2P	3	L2-4--	I-----7
.885-278	PEANUT BLANCHER	NUT PROCESS -2-	2	H-34-6	I-----
.885-282	POTATO-PEELING-MACHINE OPERATO	FOOD PREP N -3P	2	M--4--	I--4---
.885-322	ROUGH-RICE TENDER	GRAIN / FEED -3P	4	L234--	I---567
.885-418	SUGAR-CHIPPER-MACHINE OPERATOR	CORN PROD -1-	2	H-----	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-078	LIQUOR-BRIDGE-OPERATOR HELPER	SUGAR -2-	3	M--4--	I-----
.885-046	CENTRIFUGAL-STATION OPERATOR A	SUGAR -3-	4	L--4--	I---5--
.885-058	FILTERMAN HEAD	CORN PROD -3P	4	L-34--	I--4---
.885-182	GRATED-CHEESE MAKER	DAIRY PROD -2P	2	M2-4--	I---5-7
.885-286	POWDER-MILL OPERATOR	SUGAR -3P	4	H--4--	I-----
.782-026	COCOA-PRESS OPERATOR	CHOC / COCOA -3-	5	L--4--	I-----
.782-030	FILTER OPERATOR	CORN PROD -3P	5	L2-4--	O-----
.782-038	SEPARATOR OPERATOR	CORN PROD -3-	5	L--4--	O-----

521. SEPARATING, CRUSHING, MILLING, CHOPPING, GRINDING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-030 BOLTER	GRAIN / FEED	-2P	4	L2-4-6	I---5-7
.885-102 CORN-GRINDER OPERATOR AUTOMATI	CORN PROD	-3P	3	L--4--	I-----
.782-034 FLAKE MILLER WHEAT AND OATS	CEREAL	-3P	5	L2-4--	I---5--
.687-010 BINDER SELECTOR	TOBACCO	-2-	2	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-226 LIQUOR-BRIDGE OPERATOR	SUGAR	-3P	4	M--4--	I-----
.782-074 SILICA-FILTER OPERATOR	MALT LIQUORS	-3-	4	M--4--	I2-4---

522. CULTURING, MELTING, FERMENTING, DISTILLING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BARREL FILLER	DISTILLED LI	-1-	2	H-34--	I-----
.887-014 BRINER	CAN / PRESER	-1-	2	H-34--	I--4--7
.887-018 BULKER	TOBACCO	-1P	2	L2-4--	I-----
.887-026 COMBER	SLAUGHT / ME	-1-	1	M--4--	I-----
.887-034 LEAF CONDITIONER	TOBACCO	-1-	2	M--4--	I-----
.887-038 LEAF-CONDITIONER HELPER	TOBACCO	-1-	1	M-----	I-----
.887-042 LUMP GREASER	TOBACCO	-1-	2	L--4--	I-----
.887-046 PICKLE MAKER	SLAUGHT / ME	-2-	2	H--4--	I-----
.887-054 PRIZER	TOBACCO	-2P	2	M--4--	I-3-5--
.887-070 TOBACCO RACKER	TOBACCO	-1-	2	M--4--	I-----
.887-074 TOBACCO-HANDS DROPPER	TOBACCO	-1-	1	L-34--	I-----
.887-078 TURNER	CAN / PRESER	-1-	2	M--4--	I-----
.886-010 CHIP WASHER	MALT LIQUORS	-1-	2	L-34--	I2-4---
.886-014 GENERAL HELPER	FOOD PREP N	-2-	2	M--4--	I-----
.885-022 CASING-MACHINE OPERATOR	TOBACCO	-2-	3	L--4--	I---5--
.885-034 DE-ALCOHOLIZER	MALT LIQUORS	-2P	3	L-34--	I23----
.885-038 DROPPER FERMENTING CELLAR	MALT LIQUORS	-1P	2	L-34--	I2-----
.885-042 UNLOADER	MALT LIQUORS	-3-	2	M--4--	I--4---
.885-046 FERMENTER WINE	VINOUS LIQUO	-2-	2	L--4--	I-----
.885-050 FILTER TENDER	CORN PROD	-2P	4	L2-4--	I--4---
.885-074 NICOTINE EXTRACTOR	TOBACCO	-2-	3	L--4--	I-----
.885-098 WRINGER OPERATOR	TOBACCO	-2P	2	M-34--	I-----
.885-102 YEAST PUSHER	MALT LIQUORS	-2-	2	L-34--	I2-4---
.687-010 LIQUOR INSPECTOR	DISTILLED LI	-1-	2	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-062 SPICE FUMIGATOR	FOOD PREP N	-2-	2	H-34--	I----67
.887-066 SUGAR BOILER HELPER	SUGAR	-2-	2	H--4--	I-----
.885-030 CURING-BIN OPERATOR	CEREAL	-2P	2	L--4--	I-----

522. CULTURING, MELTING, FERMENTING, DISTILLING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-026 CORN COOKER
 .885-062 HONEY PROCESSOR
 .885-066 MALT-HOUSE OPERATOR
 .885-078 PUMPER
 .885-094 VACUUM-CONDITIONER OPERATOR
 .782-038 RECEIVER FERMENTING CELLARS

FOOD PREP N -2- 3 L--4-- I-----
 FOOD PREP N -3P 4 L2-4-- I--4--
 MALT LIQUORS -3P 4 M-34-6 I23-5-7
 SLAUGHT / ME -3P 3 M--4-- I--4--
 TOBACCO -3P 3 L--4-- I-----
 MALT LIQUORS -3- 4 L-34-- I2-45--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022 CIGAR-TOBACCO REHANDLER
 .887-030 FILLER ROOM ATTENDANT
 .887-050 PICKLER
 .887-058 SNUFF CASER

TOBACCO -1- 2 M--4-- I-----
 TOBACCO -2- 2 M--4-- I-----
 SLAUGHT / ME -2P 2 M-34-- I--4--
 TOBACCO -1- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 BARLEY STEEPER
 .885-014 BRINE MAKER
 .885-058 GERMINATION WORKER
 .885-070 MOLASSES PREPARER
 .885-082 SEED-YEAST OPERATOR
 .885-086 STEEP TENDER
 .885-090 SUGAR-PROCESSING-EQUIPMENT TEN
 .885-106 YEAST-FERMENTATION ATTENDANT
 .884-010 NEUTRALIZER
 .884-014 PICKLER
 .782-018 KETTLE OPERATOR
 .782-026 MASH-TUB-COOKER OPERATOR

MALT LIQUORS -3P 2 M--4-- I--4--
 CAN / PRESER -2P 3 L--4-6 I--4--
 MALT LIQUORS -3- 2 L-34-- I--4--
 FOOD PREP N -3P 3 M--4-6 I-----
 FOOD PREP N -3- 3 L--4-6 I-----
 CORN PROD -3- 4 L2-4-- O-----7
 SUGAR -2P 2 L--4-6 I-----
 FOOD PREP -3- 3 L--4-6 I-----
 CORN PROD -3- 3 L--4-- I-----
 CAN / PRESER -2P 4 M-34-- I--4--
 MALT LIQUORS -3P 4 M--4-- I-34--
 DISTILLED LI -3P 5 M--4-6 I-3--6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-082 WRAPPER-HANDS SPRAYER
 .885-054 FISH SMOKER

TOBACCO -2P 2 L--4-- I-----
 CAN / PRESER -2- 2 V-34-6 I--4--7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-034 ORDERING-MACHINE OPERATOR
 .782-042 SMOKER

TOBACCO -3P 4 L--4-- I-----
 SLAUGHT / ME -3- 4 V--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-018 CARBONATION EQUIPMENT TENDER
 .782-010 COTTAGE-CHEESE MAKER
 .782-030 MASHER

MALT LIQUORS -2P 3 L--4-- I2-----
 DAIRY PROD -3- 4 M--4-- I--4--
 MALT LIQUORS -3P 4 L--456 I-34--

523. HEATING, RENDERING, MELTING, DRYING, FREEZING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COOLING PORCH STACKER
.887-018 FISH DRIER
.887-026 KILN LOADER
.887-030 SPREADER
.886-014 OVEN TENDER
.886-018 TEXTILE-DRIER-OVEN FEEDER
.885-010 BATCH FREEZER
.885-030 COFFEE ROASTER
.885-038 COOK-BOX FILLER
.885-042 COOKER MEAL
.885-046 COOLER OPERATOR
.885-050 COOLER TENDER
.885-058 COOLING-PAN TENDER
.885-066 CRYSTALLIZER OPERATOR
.885-082 DRIER TENDER
.885-086 DRIER OPERATOR
.885-090 DRIER TENDER
.885-094 FEED DRIER TENDER
.885-102 FISH BROILER
.885-106 GRAIN DRIER
.885-114 GRAIN-WAFER-MACHINE OPERATOR
.885-122 INSTANTIZER OPERATOR
.885-142 RENDERING EQUIPMENT TENDER
.885-150 COOLING-ROLL OPERATOR
.885-154 STARCH-MAKER
.885-162 SUGAR DRIER
.885-166 TOASTER OPERATOR
.885-170 TOBACCO-DRIER OPERATOR
.885-174 WINE PASTEURIZER
.782-046 GUNNER

CAN / PRESER -1- 2 H-34-- I-3--6-
CAN / PRESER -1- 2 H--4-- B-----
MALT LIQUORS -1- 2 M-34-- I-----
TOBACCO -1- 2 M--4-- I-----
TOBACCO -1- 2 M--4-- I-----
TOBACCO -1- 2 L--4-- I-----
DAIRY PROD -2- 2 L--4-- I-----
FOOD PREP N -2P 3 L--4-- I-----
SLAUGHT / ME -2P 2 M--4-- I-----
OILS / FATS -2P 2 L2-4-- I---5--
TOBACCO -2P 2 L--4-- I-----
CORN PROD -2P 2 L2-4-- I-----
CAN / PRESER -2- 2 L--4-- I---5--
CORN PROD -2P 4 M234-- I---2-
NUT PROCESS -2- 4 M--4-6 B---5--
CAN / PRESER -2- 3 M--4-- I-----
OILS / FATS -2P 2 L--4-- I-----
CORN PROD GR -2P 4 H2-4-- I-----
CAN / PRESER -2P 3 M-34-- I-34---
MALT LIQUORS -2P 2 H-34-- I-----
BAKE PROD -2P 3 V--4-- I-----
DAIRY PROD -3P 3 L--4-- I-----7
SLAUGHT / ME -3P 3 M234-- I-34--7
SLAUGHT / ME -2- 2 L2-4-- I-----
GARMENT -2- 3 L--4-- I-----
CORN PROD GR -2P 4 M-34-- I-----
TOBACCO -1- 2 L--4-- I-----
TOBACCO -2- 2 L--4-- I-----
VINUOUS LIQU -2- 3 L--4-- I-----
CEREAL -2P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-014 DRYING-ROOM ATTENDANT
.887-022 FREEZING ROOM WORKER
.885-034 COFFEE ROASTER CONTINUOUS PROC
.885-062 CRYSTALLIZER OPERATOR
.885-078 DRIER LONG GOODS
.885-098 FIRER, KILN
.885-110 GRAIN-DRIER OPERATOR
.885-126 PASTEURIZER
.885-130 PASTEURIZER
.885-138 PULP DRIER FIRER
.688-010 WEIGH-BELT OPERATOR

TOBACCO -2- 2 L--4-- I-----
CAN / PRESER -2- 2 H--4-- I2-----
FOOD PREP N -2P 2 L--4-- I-----
SUGAR -3P 4 L--4-- I-----
MACARONI / R -2- 2 M--4-- I-34---
SUGAR -2P 4 L--4-- I-3-----
CORN PROD GR -2P 4 L2-4-- I---5--
MALT LIQUORS -2P 2 L--4-- I-3--6-
OILS / FATS -2- 2 M--4-- I-----
SUGAR -2P 4 L--4-- I---5--
TOBACCO -2P 2 L-----6 I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 BLANCHING-MACHINE OPERATOR

CAN / PRESER -2P 3 M--4-6 I--45--

Processing of Food and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

523. HEATING, RENDIERING, MELTING, DRYING, FREEZING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-026 CHOCOLATE TEMPERER
.885-070 DEHYDRATOR TENDER
.885-074 DRIER ATTENDANT
.885-158 STERILIZER OPERATOR

BAKE PROD -2- 3 M--4-- I-----
CAN / PRESER -2P 4 V--4-6 I-----7
CORN PROD GR -2P 3 L--4-- I-3-5--
DAIRY PROD -2P 3 L-34-6 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018 BRINE MAKER
.885-022 BUTTER LIQUEFIER
.885-054 COOLING-MACHINE OPERATOR
.885-062 ICEMAKER
.885-134 PRESSURE-TANK OPERATOR
.782-010 CHOCOLATE TEMPERER
.782-022 DIFFUSER OPERATOR
.782-026 DRIER OPERATOR
.782-038 BONE-CHAR-KILN OPERATOR
.782-042 KILN OPERATOR, MALT HOUSE
.782-054 MELTER OPERATOR
.782-058 PERCOLATOR OPERATOR
.587-010 DRIER SHORT GOODS

CAN / PRESER -2- 4 H--4-6 I-----
OILS / FATS -2- 2 M--4-- I-----
MALT LIQUORS -2P 2 L--4-- I-----
ICE -3P 3 V-34-- I--4-67
GLUE -2P 3 L--4-- I-----
CHOC / COCOA -3P 5 L--4-- I-----
SUGAR -3P 4 L--4-- I-----
DAIRY PROD -3P 5 M--4-6 I-345--
CORN PROD -3- 4 L2-4-- I-3----
MALT LIQUORS -3- 4 L--4-- I-3----
SUGAR -3P 4 M--4-- I--4---
CEREAL -3P 4 L--4-- I-----
MACARONI / R -3- 3 L----6 I-34---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.886-010 COCOA-BEAN-ROASTER HELPER
.885-146 ROASTER GRAIN
.782-034 DRUM DRIER

CHOC / COCOA -3P 2 M234-- I-3---
CEREAL -2P 3 L--4-6 I-3----
CEREAL -3P 5 M--4-6 I-3----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-018 DEXTRINE MIXER
.782-062 TOBACCO CURER

CORN PROD -2- 4 L--4-- I-3----
AGRIC -3- 4 M--4-6 B-----

524. COATING, ICING, DECORATING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CHERRY CUTTER
.887-014 FRUIT STUFFER
.887-018 STICKER
.886-014 NOVELTY WORKER
.885-010 CHEESE SPRAYER
.885-026 ICER MACHINE
.885-030 SANDING-MACHINE OPERATOR
.884-014 DIPPER HAND
.884-018 ENROBING-MACHINE CORDER
.884-022 ICER HAND
.782-010 DEPOSITING-MACHINE OPERATOR

CAN / PRESER -1- 1 L--4-- I-----
CONFECTION -1- 1 L--4-- I-----
BAKE PROD -2- 2 M--4-- I-----
DAIRY PROD -2- 2 L--4-- I-----
CONFECTION -2P 2 M--4-- I-----
BAKE PROD -2P 3 M--4-- I-----
CONFECTION -2P 4 M--4-- I-----
CONFECTION -2P 5 S--4-6 I-----
CONFECTION -1- 4 L--4-- I-----
BAKE PROD -2P 3 L--4-6 I-----
BAKE PROD -3P 1 M--4-- I-----

524. COATING, ICING, DECORATING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 ENROBING-MACHINE FEEDER
.885-018 CRACKER SPRAYER
.885-022 ENROBING-MACHINE OPERATOR
.885-034 TROLLEY OPERATOR
.884-010 DECORATOR

CONFECTION -2- 2 L--4-6 I-----
BAKE PROD -2P 3 L--4-- I-----
BAKE PROD -2P 2 M-34-- I-----
BAKE PROD -2P 2 M--4-- I-----
BAKE PROD CO -2P 5 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-014 COATING OPERATOR

CEREAL -2P 3 L--4-6 I-----

525. SLAUGHTERING, BREAKING, CURING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ANIMAL EVISCERATOR
.887-014 CASING SPLITTER
.887-018 CONVEYOR LOADER
.887-030 GAMBRELER
.887-034 GAMBRELER HELPER
.887-038 HIDE HANDLER
.887-042 HIDE SPREADER
.887-046 HIDE TRIMMER
.887-050 NECK SKEWER
.887-054 OFFAL ICER, POULTRY
.887-058 ORDER RUNNER
.887-062 PAINTER DEPILOTORY
.887-066 POULTRY BONER
.887-070 POULTRY DRESSER
.887-074 POULTRY EVISCERATOR
.887-078 POULTRY HANGER
.887-082 POULTRY KILLER
.887-086 POULTRY-DRESSING WORKER
.887-090 RETRIMMER
.887-094 SHACKLER
.887-098 SHACTOR HELPER
.887-102 SHAVER
.887-106 SHROUDER
.887-110 SINGER
.887-114 SLUNK-SKIN CURER
.887-118 SMOKED MEAT PREPARER
.887-122 STEAMER
.887-126 STUNNER ANIMAL
.887-130 TIER
.887-134 TRIMMER MEAT
.887-138 WASHER CARCASS
.886-010 CASING CLEANER
.886-014 SKINNING-MACHINE FEEDER

SLAUGHT / ME -3P 3 M-34-- I--4-6-
SLAUGHT / ME -1- 1 L--4-- I-----
SLAUGHT / ME -1- 2 M--4-- O-----
SLAUGHT / ME -2P 2 V-34-- I--4---
SLAUGHT / ME -2- 2 V-34-- I--4---
GREASE / TAL -2P 2 H-34-- -----
SLAUGHT / ME -2- 2 V--4-- I-----7
GREASE / TAL -2P 3 M-34-- I-----
SLAUGHT / ME -1- 2 L--4-- I2-45--
SLAUGHT / ME -2- 1 V--4-- I-----
SLAUGHT / ME -2- 2 M--4-- I2-----
SLAUGHT / ME -2- 1 M-34-- -----
SLAUGHT / ME -2P 2 L--4-- I-----
AGRIC SLAUGH -2P 1 L--4-- I--4---
SLAUGHT / ME -3P 2 L--4-- I--4-6-
SLAUGHT / ME -2- 1 M--4-- I-----
SLAUGHT / ME -1- 1 L--4-- I-----
SLAUGHT / ME -2- 2 V-34-- I2-4---
SLAUGHT / ME -2P 3 M--4-- I-----
SLAUGHT / ME -1- 2 M-34-- I--456-
SLAUGHT / ME -1- 3 M--4-- I--4---
SLAUGHT / ME -2P 2 L234-- I--4--7
SLAUGHT / ME -2- 2 M--4-- I-----
SLAUGHT / ME -2- 2 L--4-- O-----
SLAUGHT / ME -2- 2 M--4-- I-----
SLAUGHT / ME -2P 2 H--4-- I-----
SLAUGHT / ME -1- 2 L--4-- O--4---
SLAUGHT / ME -2P 2 M-34-- I---56-
SLAUGHT / ME -2P 3 L--4-- I-----
SLAUGHT / ME -2P 2 L--4-- I2-4-6-
SLAUGHT / ME -1- 1 M--4-- I--4---
SLAUGHT / ME -2- 2 L--4-- I--4---
SLAUGHT / ME -2P 2 M--4-- I-----

Processing of Food and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

525. SLAUGHTERING, BREAKING, CURING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 CASING-RUNNING-MACHINE OPERATO	SLAUGHT / ME -2P	2	L--4--	I--4---
.885-014 DEHAIRING-MACHINE TENDER	SLAUGHT / ME -2P	3	M2-4--	I-34567
.885-018 HIDE PULLER	SLAUGHT / ME -2P	2	M--4--	I---56-
.885-022 LINKING-MACHINE OPERATOR	SLAUGHT / ME -2P	2	L--4--	I-----
.885-026 SKIN-PEELING-MACHINE OPERATOR	SLAUGHT / ME -2P	1	L--4--	I-----
.884-010 BONER MEAT	SLAUGHT / ME -2P	4	M--4-6	I2-4-6-
.884-022 CRAB BUTCHER	CAN / PRESER -2P	2	M--4-6	I--4-6-
.884-026 FINAL-DRESSING INSPECTOR	SLAUGHT / ME -2P	5	M--4-6	I--4-6-
.884-030 FISH CLEANER	CAN / PRESER -2P	2	H--4-6	I--4-67
.884-034 FISH HOUSEKEEPER	HOTEL / REST -2P	2	L--4-6	I-----7
.884-038 HEAD TRIMMER	SLAUGHT / ME -3P	3	M--4-6	I--4-6-
.884-046 MEAT FLENSER	FISH	-2P	4	H-34-- O--4--7
.884-050 SKINNER	SLAUGHT / ME -2P	2	H234-6	I--4-6-
.884-054 STICKER ANIMAL	SLAUGHT / ME -1P	3	M-34-6	I--4-67
.884-058 TURKEY-ROLL MAKER	SLAUGHT / ME -2P	2	L--4-6	I-----
.687-014 SKIN GRADER	SLAUGHT / ME -2-	2	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022 COOLER ROOM WORKER	SLAUGHT / ME -3P	2	V--4--	I2-----
.781-010 SHACTOR	SLAUGHT / ME -3P	5	L--4--	I--4--7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-026 DRY CURER	SLAUGHT / ME -3-	2	H-34--	I--4---
--------------------	------------------	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 BUTCHER FISH	CAN / PRESER -2P	2	H--4-6	I--4-67
.884-018 CARCASS SPLITTER	SLAUGHT / ME -2P	3	M-34-6	I--4-67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.687-010 HIDE INSPECTOR	SLAUGHT / ME -3-	2	V-34--	I-----
-------------------------	------------------	---	--------	--------

526. COOKING AND BAKING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 STARCHMAKER	CONFECTION	-2P	3	L--4--	I-----7
.885-038 OVEN TENDER	BAKE PROD	-3P	4	M-34--	I-3----
.885-042 PAN GREASER MACHINE	BAKE PROD	-2P	2	L--4--	I-----
.885-046 PIE MAKER MACHINE	BAKE PROD	-3P	4	M-34--	I-----
.885-054 POPPER	CONFECTION	-3-	2	H--4--	I-----
.885-070 THERMOSCREW OPERATOR	CAN / PRESER	-2P	4	L--4--	I---5--
.885-074 TRIPE COOKER	SLAUGHT / ME	-3P	2	M-34--	I--4---
.885-078 WAFER-MACHINE OPERATOR	BAKE PROD	-2P	3	L--4--	I-----
.884-014 POTATO-PANCAKE FRIER	FOOD PREP N	-2-	2	M--4--	I-3----
.782-010 BATTER-SCALER	BAKE PROD	-2P	4	L--4--	I-----

526. COOKING AND BAKING, N.E.C. (CONT.)

.782-046 MALT ROASTER
.687-010 POTATO-CHIP SORTER

MALT LIQUORS -2P 2 M--4-- I-3----
FOOD PREP N -1- 2 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 BAKER HELPER
.885-010 COOK
.885-018 COOK, VACUUM KETTLE
.884-010 DOUGHNUT MAKER
.782-038 MOLASSES AND CARAMEL OPERATOR
.782-050 RETORT OPERATOR
.782-054 STEAM-OVEN OPERATOR

BAKE PROD -3- 2 H-34-- I-3----
SLAUGHT / ME -3P 3 H--4-- I-----
CAN. / PRESE -3- 2 L--4-- I-----
BAKE PROD -2P 5 M-34-- I-3----
CORN PROD -2P 4 H2-4-- I-----
CAN / PRESER -2P 5 H-34-- I--4---
CAN / PRESER -2P 4 M--4-6 I-34-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 COOK FRY DEEP FAT
.885-058 POTATO-CHIP FRIER
.782-034 DOUGHNUT-MACHINE OPERATOR

CAN / PRESER -3- 2 M--4-- I-----
FOOD PREP N -3P 4 L--4-6 I-----
BAKE PROD -2P 4 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-026 COOKER PROCESS CHEESE
.885-030 KETTLE TENDER
.885-050 POPCORN-CANDY MAKER

DAIRY PROD -3P 3 M--4-6 I-----
MALT LIQUORS -3P 2 L--4-- I-34---
CONFECTION -3- 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-022 COOKER
.885-062 PRETZEL COOKER
.885-066 RELISH MAKER
.782-014 CONCHE OPERATOR
.782-022 CONVERTER OPERATOR
.782-026 COOK DOG-AND-CAT FOOD
.782-042 OVEN OPERATOR, AUTOMATIC

CEREAL -2P 3 L--4-6 I-----
BAKE PROD -3P 4 M-34-- I-3----
CAN / PRESER -3- 2 M-34-- I---5--
CHOC / COCOA -2P 4 L--4-- I-----
CORN PROD -3- 4 L--45- I-3----
SLAUGHT / ME -2- 4 M--4-- I-----
BAKE PROD CE -2P 4 L--4-- I-3----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-034 OVEN OPERATOR
.885-082 WORT EXTRACTOR

CEREAL -3P 3 L--4-6 I-3----
DAIRY PROD -3P 3 H--4-6 I--45--

529. PROCESSING, FOOD AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BASKET FILLER
.887-014 BOX-TRUCK WASHER
.887-018 BULK FILLER
.887-022 CASING SEWER
.887-026 CASING TIER

CAN / PRESER -1- 1 L--4-- I-----
SLAUGHT / ME -1- 1 M-34-- I--456-
CAN / PRESER -2- 1 H-34-- I-----
SLAUGHT / ME -2P 2 L--4-- I-----7
SLAUGHT / ME -2P 1 L--4-- I-----

Processing of Food and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

529. PROCESSING, FOOD AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM
.887-030 CHAR-DUST CLEANER AND SALVAGER	SUGAR	-2- 2 H--4-- I2----7
.887-034 COOK HELPER	CAN / PRESER	-2- 2 V-34-- I-----
.887-038 COOKER CLEANER	CAN / PRESER	-1- 2 M234-- I--4---
.887-042 DIE CLEANER	MACARONI / R	-2P 2 H--4-6 I--4---
.887-046 DISTILLERY WORKER GENERAL	DISTILLED LI	-3- 1 H-34-- I-----
.887-050 FILLER-SHREDDER HELPER	TOBACCO	-2- 3 M-34-- I-----
.887-058 FISH-EGG PACKER	CAN / PRESER	-2- 2 V--4-- I--4---
.887-062 DISTRIBUTOR-CLEANER	TOBACCO	-1- 1 H-34-- I-----
.887-066 GENERAL HELPER	OILS / FATS	-2- 2 M--4-- I--4---
.887-070 GUM OPENER	TOBACCO	-2- 2 H--4-- I-----
.887-074 HANDS UNTIER	TOBACCO	-1- 1 L--4-- I-----
.887-078 KISS SETTER HAND	CONFECTION	-1P 4 L--4-6 I-----
.887-082 KNIFE-SETTER HELPER	SUGAR	-1P 1 M--4-- I-----
.887-086 LABORER	SLAUGHT / ME	-3- 2 V-34-- I--4---
.887-090 LINKER	SLAUGHT / ME	-2P 3 M--4-- I-----
.887-094 MASH-FILTER-CLOTH CHANGER	MALT LIQUORS	-2P 2 M-34-- I-34---
.887-098 MAT SEWER	OILS / FATS	-2P 2 L--4-- I-----
.887-102 MELT-HOUSE DRAG OPERATOR	SUGAR	-2P 3 M--4-- I-----
.887-106 OLIVE BRINE TESTER	CAN / PRESER	-3- 2 M--4-- I-----
.887-110 PRESS PULLER	CORN PROD	-2P 2 V2-4-- I-----7
.887-114 REFINED-SUGAR-BOX SCRAPER	SUGAR	-1- 2 M--4-- I-----
.887-118 SALVAGE INSPECTOR	CAN / PRESER	-2- 3 L--4-- I-----
.887-122 SAMPLER	MALT LIQUORS	-1- 2 L--4-- I2-----
.887-126 SHREDDED-FILLER HOPPER FEEDER	TOBACCO	-1- 2 M--4-- I-----
.887-130 SKINNER	TOBACCO	-1- 1 L--4-- I-----
.887-134 STONE CLEANER	MALT LIQUORS	-2- 2 S--4-- I--4---
.887-138 SUCTION-PLATE-CARRIER CLEANER	TOBACCO	-2- 2 L--4-- I-----
.887-142 SUMATRA OPENER	TOBACCO	-1- 2 L--4-- I-----
.887-146 TOBACCO-SAMPLE PULLER	TOBACCO	-2- 2 L--4-- I-----
.887-150 TROLLEY CLEANER	SLAUGHT / ME	-2- 1 M-34-- I-34--7
.887-154 WASHER	CORN PROD	-2- 2 H2-4-- I--4--7
.887-158 BEET WASHER HELPER	SUGAR	-1- 2 M--4-- B--4---
.886-014 CIGARETTE-MAKING-MACHINE-HOPPE	TOBACCO	-1- 2 M--4-- I-----
.886-018 DAIRY HELPER	DAIRY PROD	-1P 2 H2-456 I2-45--
.886-022 FACTORY HELPER	CONFECTION	-1- 2 M-34-6 I-----
.886-026 FILLER FEEDER	TOBACCO	-1- 2 L--4-- I-----
.886-030 FEEDER-CATCHER, TOBACCO	TOBACCO	-1- 2 H-34-- I-----7
.886-034 GENERAL HELPER	CHOC / COCOA	-1- 2 H--4-- I-----
.886-038 HANGER	TOBACCO	-1P 1 L--4-- I-----7
.886-042 LABORER CHEESEMAKING	DAIRY PROD	-2P 2 M-345- I--4-6-
.886-046 LABORER PIE BAKERY	BAKE PROD	-1- 2 M-34-- I-----
.886-050 LABORER SHELLFISH PROCESSING	CAN / PRESER	-1P 2 H-34-- I--45--
.886-054 LONG-GOODS HELPER MACHINE	MACARONI / R	-1- 1 M--4-- I--5---
.886-058 NUT-PROCESS HELPER	NUT PROCESS	-1P 2 H-34-- I-3----
.886-062 PRODUCTION HELPER	FOOD PREP N	-1- 2 M-34-- I-----
.886-066 RACK LOADER	TOBACCO	-1- 2 M--4-- I-----
.886-070 RAW-CHEESE WORKER	DAIRY PROD	-2P 2 H--4-6 I--567
.886-074 STEAK-TENDERIZER MACHINE	SLAUGHT / ME	-1- 1 L--4-- I-----
.886-078 THRESHING-MACHINE-CONVEYOR FEE	TOBACCO	-1- 1 L--4-- I-----
.886-082 TURKISH PICKER	TOBACCO	-1- 1 M----- I-----7

529. PROCESSING, FOOD AND RELATED PRODUCTS, N.E.C. (CONT.)

.885-010 AUTO ROLLER	TOBACCO	-2P	2	L--4--	I-----
.885-018 BINDER LAYER	TOBACCO	-1-	2	L--4--	I-----
.885-030 BRINE-TANK TENDER	DAIRY PROD	-3P	2	M--4--	I--45--
.885-034 BULKER CUT TOBACCO	TOBACCO	-1P	2	L--4--	I-----
.885-038 BUNCH MAKER MACHINE	TOBACCO	-2P	2	L--4-6	I-----
.885-042 BUTT MAKER	TOBACCO	-1P	2	L--4--	I-----
.885-046 CAN-CONVEYOR FEEDER	FOOD PREP N	-1-	2	L--4--	I-----
.885-050 CHAR-CONVEYOR TENDER	SUGAR	-2P	2	M--4--	I-34-6-
.885-062 CIGAR-HEAD PIERCER	TOBACCO	-1-	2	S--4-6	I-----
.885-090 CUTTER	MACARONI / R	-1P	2	L--4--	I---5-7
.885-098 DEFECTIVE-CIGARETTE SLITTER	TOBACCO	-2-	2	M--4--	I-----
.885-114 DUMPING-MACHINE OPERATOR	CAN / PRESER	-1P	2	L--4-6	I-----
.885-122 FILLER SHREDDER MACHINE	TOBACCO	-2P	3	M-34--	I-----
.885-142 ICE CREAM FREEZER ASSISTANT	DAIRY PROD	-2P	2	M--4--	I--4-6-
.885-146 HAM-ROLLING-MACHINE OPERATOR	SLAUGHT / ME	-1P	2	L--4--	I--4---
.885-150 HORSERADISH MAKER	CAN / PRESER	-2P	2	L-34--	I--45-7
.885-154 ICE CUTTER	ICE	-2P	4	V-34--	I2--567
.885-158 FISHER CLEANER MACHINE TENDER	CAN / PRESER	-2P	4	M--4--	I--4--7
.885-162 KNIFE CHANGER	TOBACCO	-1-	2	L--4--	I-----
.885-166 LABORER STARCH FACTORY	GRAIN / FEED	-2P	3	H--4--	I--4---
.885-170 LARD REFINER	OILS / FATS	-2P	3	M2-4--	I-3---7
.885-186 PLUG PRIZER	TOBACCO	-1-	2	L--4--	I-----
.885-190 PLUG-CUTTING-MACHINE OPERATOR	TOBACCO	-1-	2	L--4--	I-----
.885-194 PRESERVATIVE FILLER MACHINE	CAN / PRESER	-2P	1	L--4--	I-----
.885-198 RAW-JUICE WEIGHER	SUGAR	-1-	3	L--4--	I-----
.885-202 SACK STERILIZER	GRAIN / FEED	-1-	2	M--4--	I-----
.885-206 SANDWICH-MACHINE OPERATOR	DAIRY PROD	-2P	2	L--4--	I-----
.885-210 SHELLFISH-PROCESSING-MACHINE T	CAN / PRESER	-2-	2	H2-4--	I--456-
.885-214 SPREADER OPERATOR AUTOMATIC	TOBACCO	-1P	2	M--4--	I---5-7
.885-218 SUCKER-MACHINE OPERATOR	CONFECTION	-2P	5	M--4--	I-----
.885-222 TABLET-MACHINE OPERATOR	DAIRY PROD	-2P	2	L--4--	I-----
.885-246 WASH-HOUSE WORKER	MALT LIQUORS	-2P	2	M-34--	I-34---
.885-250 WASHER AGRICULTURAL PRODUCE	AGRIC CAN	-2-	2	H-34-6	I--4-6-
.885-262 WET AND DRY SUGAR BIN OPERATOR	SUGAR	-2P	4	M--4--	I--4---
.885-270 WRAPPER LAYER	TOBACCO	-2P	2	L--4--	I-----
.885-274 WRAPPER-LAYER-AND-EXAMINER SOF	TOBACCO	-2P	2	L--4-6	I-----
.884-022 SIEVE MAKER	GRAIN / FEED	-3P	2	M2-4--	I-----7
.782-018 CENTRIFUGE OPERATOR	CHEW GUM	-2P	4	M--4--	I-----
.782-074 NOVELTY MAKER	DAIRY PROD	-3P	5	L--4--	I--4-6-
.687-046 LEAF-SIZE PICKER	TOBACCO	-1-	2	L--4--	I-----
.687-050 LIGHTOUT EXAMINER	MALT LIQUORS	-2-	2	L--4-6	I-----
.687-066 WRAPPER PICKER	TOBACCO	-1-	2	L--4-6	I-----
.685-010 RESERVE OPERATOR	TOBACCO	-3P	3	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-070 CIGARETTE-MAKING MACHINE OPERA	TOBACCO	-3P	3	M--4--	I---5--
.885-082 SUGAR CONTROLLER	SUGAR	H3P	4	M--45-	I-----
.885-126 FILTER-MACHINE OPERATOR	TOBACCO	-2P	2	M--4--	I-----
.885-158 VOTATOR-MACHINE OPERATOR	OILS / FATS	-2P	3	L--4--	I---5--

Processing of Food and Related Products

 PHYS.D WK COND
 HRP SVP 123456 1234567

529. PROCESSING, FOOD AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-254 WASHROOM OPERATOR
 .885-266 WHEAT CLEANER
 .885-278 YEAST WASHER
 .782-066 LOZENGE MAKER
 .688-010 KOSHER INSPECTOR
 .687-058 TICKET PULLER

SUGAR -2P 2 S--4-- I-----
 CEREAL -2P 3 L--4-- I-----7
 FOOD PREP N -3P 2 L--4-6 I-----
 CONFECTION -3P 5 H--4-6 I-----
 DAIRY PROD -3- 2 L----- B-----
 TOBACCO -3- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 BARREL FILLER
 .885-046 FISH-CAKE MAKER
 .884-014 FROZEN PIE MAKER
 .884-026 STEAK SAUCE CANNER
 .782-050 FREEZER OPERATOR
 .782-062 IRISH MOSS OPERATOR
 .780-010 KNIFE SETTER

CORN PROD -3P 2 H2-4-- B-----
 FOOD PREP N -2- 4 L--4-- I--4--7
 ANY IND -2P 2 M--4-- I2-----
 CAN / PRESER -3P 3 M--4-- I-3-----
 DAIRY PROD -3P 5 L--4-- I--4-6-
 CHEM -3P 5 M--4-- I-----
 SUGAR -2- 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-054 FISH-BIN TENDER
 .886-010 CANNERY WORKER
 .886-086 UTILITY WORKER
 .885-178 NUT ROASTER
 .885-226 TANK PUMPER,PANELBOARD
 .687-010 CASING GRADER
 .687-014 DEFLECTOR OPERATOR
 .687-018 EGG CANDLER
 .687-034 INSPECTOR CANNED FOOD RECONDIT
 .687-062 TOBACCO GRADER
 .687-070 WRAPPER SELECTOR

CAN / PRESER -2- 2 M234-- I--4--7
 CAN / PRESER -2P 2 L-34-- I--456-
 CHEW GUM -2- 2 L--4-- I-----
 NUT PROCESS -2P 3 V-34-- I-----
 DISTILLED LI -2P 3 M--4-- I-----
 SLAUGHT / ME -2- 2 L--4-6 I--4--
 MALT LIQUORS -2- 2 L--4-6 I-----
 ANY IND -2- 2 L--4-6 I-----
 CAN / PRESER -1- 4 L--4-- I-----7
 AGRIC TOBACC -2- 3 L--4-6 I-----
 TOBACCO -3- 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-022 BLENDER-CONVEYOR OPERATOR
 .885-026 BLOW-UP OPERATOR
 .885-058 CHOCOLATE MOLDER MACHINE
 .885-066 CIGARETTE-FILTER-MAKING-MACHIN
 .885-074 COLORER, CITRUS FRUIT
 .885-078 CONTAINER WASHER MACHINE
 .885-094 DECAY-CONTROL OPERATOR
 .885-102 DEOILING-MACHINE AND PASTEURIZ
 .885-106 DRIER BELT CONVEYOR
 .885-134 FLAVOR EXTRACTOR
 .885-138 FLAVOR-ROOM WORKER
 .885-146 TANK TENDER
 .885-234 TAPPER
 .885-238 TENDEROMETER OPERATOR
 .885-258 WEIGH-TANK OPERATOR
 .884-010 BIN CLEANER
 .884-018 INGREDIENT SCALER

DAIRY PROD -2- 2 H2-4-- I---5--
 SUGAR -3P 3 M--4-- I--4--
 CHOC / COCOA -3P 4 L--4-- I-----
 TOBACCO -3P 3 L--4-6 I-----
 WHOLE TR -3P 3 L--4-6 I-3---7
 ANY IND -2P 2 M2-4-6 I--4-6-
 WHOLE TR -2- 2 L--4-6 I-----
 FLAV EXT / S -2P 2 L--4-- I--4--
 FOOD PREP N -2P 3 M--4-6 I-----
 CEREAL -2P 3 M--4-- I-----
 DAIRY PROD -2- 4 H-34-- I2-4--
 SUGAR -3P 3 M--4-- I-34--
 MALT LIQUORS -3P 2 L--4-- I2-4--
 CAN / PRESER -3- 2 L--4-- I-----
 OILS / FATS -2P 3 L--4-6 I---5--
 GRAIN / FEED -2P 2 L234-- I---67
 BAKE PROD DA -3- 2 M-34-- I-----

529. PROCESSING, FOOD AND RELATED PRODUCTS, N.E.C. (CONT.)

.782-030 DAIRY-PROCESSING-EQUIPMENT OPE	DAIRY PROD	-3P	-	H234-6	I--456-
.782-034 DEPOSITING-MACHINE OPERATOR	CONFECTION	-3P	5	M--4-6	I-----
.782-058 HYDROGENATION OPERATOR	OILS / FATS	-3P	4	M--4--	I-34-6-
.782-070 NOVELTY MAKER	DAIRY PROD	-3P	5	L--4--	I--4-6-
.782-078 SIRUP MAKER	CHOC / COCOA	-3P	5	M--4--	I-----
.782-082 SIRUP MIXER	CORN PROD	-3P	5	M2-4--	I-----
.684-010 TEMPERATURE INSPECTOR	SLAUGHT / ME	-3-	3	L--4--	B-----
.585-010 MOISTURE-METER OPERATOR	TOBACCO	-3-	3	L--4-6	I-----
.488-010 TIP-LENGTH CHECKER	TOBACCO	-3-	3	L--4-6	I-----
.387-010 CIGARETTE TESTER	TOBACCO	-3-	5	L--4--	I---5--
.387-042 QUALITY CONTROL INSPECTOR	BAKE PROD	-3-	4	L--4-6	I-----
.387-046 QUALITY-CONTROL TECHNICIAN	FOOD PREP N	-3-	4	L--4--	I-----
.387-058 SAMPLER	CILS / FATS	-3-	4	S--4--	I-----
.168-010 FRUIT COORDINATOR	CAN / PRESER	-3-	5	S---5-	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-110 DRIER OPERATOR DRUM
.687-038 SAMPLER INSPECTOR
.687-042 LEAF SORTER
.587-014 MARKER COMPANY

FOOD PREP N -2P 2 L--4-6 I-----
TOBACCO -2- 4 L--4-6 I-----
TOBACCO -3- 2 L--4-6 I-----
TOBACCO -3- 3 L-34-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-182 PEANUT-BUTTER MAKER
.687-022 GRADER DRESSED POULTRY
.687-030 GRAIN PICKER
.587-010 FRANKFURTER INSPECTOR

CAN / PRESER -2P 4 M--4-- I-----
SLAUGHT / ME -3- 2 M--4-6 I-----
GRAIN / FEED -3- 2 L--4-- I-----
SLAUGHT / ME -2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-054 CHEESE CUTTER
.885-086 CORN-PRESS OPERATOR
.885-174 NOODLE MAKER
.687-026 GRADER GREEN MEAT
.687-054 SORTER AGRICULTURAL PRODUCE
.685-014 X-RAY INSPECTOR
.387-014 CIGARETTE-AND-FILTER CHIEF INS
.387-034 HOGSHEAD INSPECTOR
.387-038 INSPECTOR GRAIN MILL PRODUCTS
.387-054 ROUGH-RICE GRADER

DAIRY PROD -2P 3 M--4-6 I-----
FOOD PREP N -3P 4 M--4-- I-----
MACARONI / R -2P 3 H--4-- I-----7
SLAUGHT / ME -3- 2 M--4-- I--4--
AGRIC CAN -3P 2 L--4-6 I--4--
TOBACCO -3- 2 L--4-6 I-----
TOBACCO -3- 5 L--4-6 I---5--
TOBACCO -3- 3 M--4-- I-----
GRAIN / FEED -3- 3 M2-4-- I---5-7
GRAIN / FEED -3- 5 L-3456 I---5-7

**PROCESSING OF PAPER AND RELATED
MATERIALS (530.-539.)**

Occupations in this area are concerned with reducing logs and similar cellulose materials into pulp; combining wood particles with other materials; and cooking, bleaching, washing, and shaping operations necessary to products being manufactured. Paper, cardboard, wallboard, flakeboard, paneling, and other products made from cellulosic materials are included in this grouping.

Occupations in this area represent all eight combinations of cognitive demands. About 60 percent of the occupations have only minimum cognitive demands. There are also substantial concentrations of occupations with moderate demands only for perceptual processing and with moderate demands for all three cognitive capabilities. Perceptual processing demands are associated with monitoring and inspection of paper products as they emerge from calendering, coating, and similar equipment. Inspection for discoloration, scratches, smudges, holes, moisture, and cuts is included. Language requirements are generally associated with reading product specifications, interpreting process control instructions, evaluating production information, and labeling product samples for laboratory analysis. Verbal communications involve many special terms. Mathematics demands are generally associated with transformations from one variable to another, determining variation in thickness or weight, and scheduling the production cycle.

About three-fourths of the occupations require psychomotor skills for the control of equipment. There is a distinct trend toward computer control of routine operations; yet setup, jamming, and handling of other contingencies may require rapid and coordinated manual response. Mechanical skills can be a definite asset to the setup, servicing, and minor repair of machinery.

Although there is an enormous and growing demand for paper products, automation and other technical advances are holding down the growth of opportunity for production work in paper processing. Opportunities are increasing more in production planning and maintenance where cognitive demands tend to be at a level beyond the scope of this handbook.

PHYS.D WK COND
HRP SVP 123456 1234567

530. GRINDING, BEATING, AND MIXING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 MIXER HELPER	WALLBOARD	-3P	3	L--4--	I-----
.886-010 LOADER MAGAZINE GRINDER	PAPER / PULP	-2P	2	H--4--	I-----
.886-014 RAG CUTTER	PAPER / PULP	-2-	2	L--4--	I-----
.886-018 WASTE-PAPER-HAMMERMILL OPERATOR	PAPER GOODS	-1-	1	L--4--	I-----
.885-010 BEATER-ENGINEER HELPER	PAPER / PULP	-2P	2	M--4--	I-----
.885-014 BLOCK-SPLITTER OPERATOR	PAPER / PULP	-2P	3	H--4--	I---5--
.885-018 COATING MIXER TENDER	PAPER / PULP	-2P	2	H--4--	I-----7
.885-022 PULP-SLURRY MIXER	WALLBOARD	-2P	3	M234--	I--4-6-
.885-026 PULPER	PAPER / PULP	-2P	2	M-34--	I-----
.782-014 WOOD GRINDER OPERATOR	PAPER / PULP	-3P	5	H-34-6	I--456-

530. GRINDING, BEATING, AND MIXING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-030 TRANSFER OPERATOR
.782-010 BEATER ENGINEER
.687-010 RAG INSPECTOR

PAPER / PULP -2P 3 M--4-- I---5--
PAPER / PULP -3P 5 M--456 I-----
PAPER / PULP -2- 2 L--4-6 I-----

532. COOKING AND DRYING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 DIGESTER-OPERATOR HELPER
.886-014 PAPER-CONE-DRYING-MACHINE OPER
.885-014 DRIER OPERATOR
.885-018 EVAPORATOR OPERATOR
.885-026 MOISTURE-CONDITIONER OPERATOR
.885-030 PULP-PRESS TENDER

PAPER / PULP -2P 2 L--4-- I-----7
PAPER GOODS -1- 1 L--4-- I-----
PAPER / PULP -2P 2 L--4-- I-3----
PAPER / PULP -2P 2 L--4-6 I-----
PAPER / PULP -2P 4 M-345- I-----
PAPER / PULP -1- 2 V--4-- I--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BACK TENDER INSULATION BOARD

WALLBOARD -2P 2 L-34-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-022 MATRIX DRIER TENDER

PAPER / PULP -3P 3 M--4-- I-----

533. COOLING, BLEACHING, SCREENING, WASHING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 SCREEN-TENDER HELPER
.886-010 MOISTENER
.885-010 BLEACH-BOILER FILLER
.885-014 BLOW-PIT TENDER
.885-018 BROWN-STOCK WASHER
.885-022 SAVE-ALL OPERATOR
.885-030 SCREEN TENDER, CHIPS
.885-034 THRASHER FEEDER
.885-038 WASHER ENGINEER
.782-014 DECKER OPERATOR
.782-018 POWER-BARKER OPERATOR

PAPER / PULP -2- 3 M234-- I--4---
BUTTON -1P 2 M--4-- I--4---
PAPER / PULP -2P 2 L--4-- I--4---
PAPER / PULP -2P 3 M2-4-- I--4-67
PAPER / PULP -2P 2 L--4-- I-----7
PAPER / PULP -2P 2 L--4-- I---5--
PAPER / PULP -2P 3 M--4-- B---5--
PAPER / PULP -2- 2 L--4-- I-----
PAPER / PULP -2P 3 M--4-- I-----
PAPER / PULP -3P 4 L--4-- I-----
PAPER / PULP -3P 4 L--4-- I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010 BLEACHER, PULP
.782-022 PULP REFINER OPERATOR

PAPER / PULP -3P 5 M2-4-6 I-----7
PAPER / PULP -3P 4 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-026 SCREEN TENDER

PAPER / PULP -2P 4 M--4-6 I--4-6-

Processing of Paper and Related Materials

PHYS.D WK COND
HRP SVP 123456 1234567

534. CALENDERING, SIZING, COATING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CONE TREATER	PAPER GOODS	-2-	1	M--4--	I-----
.887-014 CREPING-MACHINE OPERATOR HELPE	PAPER GOODS	-2P	2	H--4--	I-----
.887-018 PAPER-CONE-TIP PASTER	PAPER GOODS	-1-	1	L--4--	I-----
.887-022 SUPERCALENDER-OPERATOR HELPER	PAPER / PULP	-2P	2	H-34--	I---6-
.886-010 COATING-MACHINE-OPERATOR HELPE	PAPER / PULP	-2P	2	M--4--	I-----
.886-014 COMBINER-OPERATOR HELPER	PAPER / PULP	-3P	2	M--4--	I--56-
.886-018 WAXING-MACHINE-OPERATOR HELPER	PAPER GOODS	-3P	2	H--4--	I---5--
.885-010 CREPING-MACHINE OPERATOR	PAPER GOODS	-3P	3	M--4--	I-----
.885-030 PAPER COATER	PAPER / PULP	-2-	3	L--4--	I-----
.885-034 PARAFFIN-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I-----
.885-038 RECOATING-MACHINE OPERATOR	WALLPAPER	-2P	2	L--4--	I-----
.885-042 SCREEN TENDER II	PAPER / PULP	-3P	3	L23456	I--456-
.885-050 WET-END HELPER	WALLBOARD	-3P	2	L-34--	I---56-
.782-022 COATING-MACHINE OPERATOR	PAPER / PULP	-3P	4	M--4-6	I-----
.782-026 COATING-MACHINE OPERATOR HARDB	PAPER / PULP	-2P	5	M--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 FRICTION-PAINT-MACHINE TENDER	MATCH	-2P	2	M--4--	I-----
.885-046 VARNISHING-MACHINE OPERATOR	PRINT / PUB	-2-	2	L--4--	I-----
.782-018 CARBON-COATER-MACHINE OPERATOR	PEN / PENCIL	-3P	3	H2-4-6	I---6-
.782-030 COMBINER OPERATOR	PAPER / PULP	-3P	4	M--4-6	I-----
.782-050 WAXING-MACHINE OPERATOR	PAPER GOODS	-3P	5	H--4--	I---5--
.780-010 CARBON-PAPER-COATING-MACHINE-S	PEN / PENCIL	-3P	5	H-34--	I---6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 DAMPENER OPERATOR	PAPER / PULP	-3P	2	H-34-6	I-----
.782-010 AIR-DRIER-MACHINE TENDER	PAPER / PULP	-3P	5	M--4--	I-----
.782-042 STRAP-MACHINE OPERATOR	PAPER GOODS	-3P	4	L234-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-026 OVEN TENDER	AMMUNITION	-3P	2	H-34--	I-3---7
----------------------	------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-022 OILING-MACHINE OPERATOR	PAPER / PULP	-3P	2	H--4-6	I---5-7
----------------------------------	--------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-046 SUPERCALENDER OPERATOR	PAPER / PULP	-3P	5	L--4-6	I-----
---------------------------------	--------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-034 PAPER-COATING-MACHINE OPERATOR	PHOTO APPARA	-3P	5	L--4--	I-34---
---	--------------	-----	---	--------	---------

535. FORMING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 EXTRUDER OPERATOR	PARTICLE BOA -2P	2	L--4--	I---5--
.885-014 PLATE WORKER	PAPER / PULP	-2P	2	M--4-- I-3---7
.885-018 SCREEN HANDLER	PAPER / PULP	-3P	2	H2-4-6 I---5--
.885-022 WHEELABRATOR OPERATOR	WALLBOARD	-2P	4	M-34-- I-----

539. PROCESSING, PAPER AND RELATED MATERIALS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 YARD LABORER	PAPER / PULP	-2-	1	M234-- B-----
.886-010 CUTTER, WET MACHINE	PAPER / PULP	-1-	2	M--4-- I-----6-
.886-014 PLATING-MACHINE OPERATOR	PAPER / PULP	-1-	2	L--4-- I-----
.885-014 COATER OPERATOR INSULATION BOA	WALLBOARD	-2P	2	L--4-- I-----
.885-018 COOKER TENDER	PAPER / PULP	-2-	3	M--4-- I-----
.885-022 FILM-MAKING-MACHINE TENDER	PHOTO APPARA	-2P	3	M--4-- I-----
.885-030 REELER	WALLPAPER	-2P	2	H--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BALER	PAPER / PULP	-3P	3	H--4-- I---56-
----------------	--------------	-----	---	----------------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-026 PUMP-PRESS OPERATOR	PAPER / PULP	-2P	4	L2-4-6 I---56-
.885-034 WET-MACHINE TENDER	PAPER / PULP	H2P	3	L2-45- I--4-6-
.885-038 WINDER HELPER	PAPER / PULP	-3P	3	H2-456 I--456-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-034 SLURRY MIXER	AMMUNITION	-3P	4	M2-4-6 I--4-6-
.782-038 TREATING-PLANT OPERATOR	PAPER / PULP	-3P	4	M--4-6 I-3-5--
.485-010 ACCURAY TESTER	PAPER / PULP	-3-	2	S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-010 LABORER RAGS	PAPER / PULP	-2-	2	L--4-- I-----
-----------------------	--------------	-----	---	---------------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 CALENDER OPERATOR INSULATION B	WALLBOARD	-3P	4	L2-4-- I-----
.782-022 HIGH-DENSITY FINISHING OPERATO	PAPER / PULP	-3P	3	M--4-6 I-----7
.782-026 HUMIDIFIER OPERATOR	PAPER / PULP	-3P	4	M--4-6 I---5--
.687-010 COATING-LINE CHECKER	PAPER / PULP	-3-	3	M--4-6 I-----
.687-014 CONTROL INSPECTOR	PAPER / PULP	-3-	4	M--4-6 I-----
.687-018 INSPECTOR FIBROUS WALLBOARD	WALLBOARD	-3-	4	L2-4-- I---5--

**PROCESSING OF PETROLEUM AND
RELATED PRODUCTS (540.-549.)**

Occupations in this area are concerned with the postextraction phases of preparing the products of oil and gas wells, oil shale, and coal mines for commercial use.

About 60 percent of the occupations in this area have minimum cognitive demands. There are also substantial concentrations of occupations demanding moderate mathematics capabilities only and moderate perceptual processing capabilities only. Mathematics demands include recording instrument readings, calculation of unit quantities from sample data, interpretation of test results, and the application of varied measurements. Perceptual processing demands are associated with such activities as determining the moisture content of coal from its color, feeling oil to determine its viscosity, and judging the dryness of graphite as a drag mechanism moves it along the length of a drier pan. Language requirements generally center on verbal instructions and the reporting of malfunctions or problems. Special terms related to the production processes are frequently used.

Psychomotor demands are involved with about half of the occupations either due to manual control of equipment or to tending of computer-controlled equipment. Mechanical skills are an asset to a substantial number of occupations. Practical knowledge of combustion, toxicity, and specific gravities can be important both for process control and safety.

Mechanization and automation are holding down growth of opportunity in this area. There are still entry opportunities and some opportunities to progress to supervisory positions, although most of the supervisory opportunities above the first or second level tend to be held by trained engineers.

PHYS.D WK COND
HRP SVP 123456 1234567

540. MIXING AND BLENDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BRIQUETTE-MACHINE-OPERATOR HEL	FUEL BRIQUET	-2-	2	H2-4--	I---5--
.886-014 COMPOUNDER HELPER	PETROL REFIN	-2-	2	M2-4--	B---67
.885-010 ASPHALT-MIXING-MACHINE TENDER	CONST	-2P	4	M--4--	I-3-5-7
.885-018 SCREENER-AND-BLENDER OPERATOR	ELEC EQUIP	-2P	2	H--4--	O---5-7

Language	Mathematics	Perceptual Processing
MODE RATE	MODE RATE	MINIMUM

.887-010 SEAL MIXER	ELEC EQUIP	-2-	2	L-34-6	I-----
.885-014 MIXER OPERATOR CARBON PASTE	ELEC EQUIP O	-2P	4	M--4--	I---67

541. FILTERING, STRAINING, AND SEPARATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 SLATE PICKER	MINING / QUA	-1-	1	M--4-6	B-----7
-----------------------	--------------	-----	---	--------	---------

541. FILTERING, STRAINING, AND SEPARATING (CONT.)

.782-026 LEAD-RECOVERER, CONTINUOUS-NAP PETROL REFIN -2P 4 M--4-- I-----
.782-030 PARAFFIN-PLANT OPERATOR PETROL REFIN -3P 5 L--4-6 I-----
.782-034 PARAFFIN-PLANT-SWEATER OPERATO PETROL REFIN -2P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010 CENTRIFUGE-SEPARATOR TENDER NONFER METAL -3P 4 L--4-- I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 GAS-WORKER HELPER COMP / LIQUE -2- 2 M--4-- I-----
.885-014 HEAVY-MEDIA OPERATOR MINING / QUA -3P 3 M--4-6 I---5-7
.782-010 COAL WASHER MINING / QUA -3P 4 L--4-6 I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-014 CRUDE-OIL TREATER PETROL PRODU -3P 5 L--4-- O-----
.782-038 PUMP OPERATOR, BY-PRODUCTS COKE PROD -3P 5 L23456 I---67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-018 SHAKER TENDER COKE PROD -3P 3 L23456 I---567

542. DISTILLING, SUBLIMING, AND CARBONIZING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 WHARF WORKER COKE PROD -2P 2 H-34-6 O---567
.886-010 FURNACE UNLOADER ELEC EQUIP -2- 2 H--45- I-3-567
.885-010 CALCINE OPERATOR ELEC EQUIP -2P 3 M--4-- I-3--7
.885-014 GAS-FURNACE OPERATOR BONE CARBON -2P 4 L--4-- --3---
.885-018 OVEN-HEATER HELPER COKE PROD -2P 3 M234-- O-3-567
.885-022 PLANT OPERATOR CHANNEL PROCESS BONE CARBON -3- 2 L--4-6 B-----7
.885-026 SUBLIMER COAL TAR PRO -2P 3 L--4-- I-----
.885-030 UNIT OPERATOR BONE CARBON -2P 3 L2-4-- I-----7
.885-034 WASH-OIL-PUMP OPERATOR HELPER COKE PROD -2- 3 M234-- I--4-6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-010 FURNACE LOADER ELEC EQUIP -3P 5 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-010 CHARCOAL BURNER BEEHIVE KILN WOOD DISTIL -2- 4 H-34-- O-----
.587-010 COKE INSPECTOR COKE PROD -3- 4 L23456 I-3--67

Processing of Petroleum and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

543. DRYING, HEATING, AND MELTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COKE DRAWER HAND	COKE PROD	-1-	2	M--4--	I-----
.887-014 OVEN DAUBER	COKE PROD	-2P	2	M-34--	O-3--67
.885-010 ASPHALT-PLANT DRIER OPERATOR	CONST	-2P	3	L--4--	O-3-5-7
.885-014 BACKING-IN-MACHINE OPERATOR	LINOLEUM	-2P	2	V--4-6	I-----
.885-018 BULLET-LUBRICANT MIXER	AMMUNITION	-2-	2	M-34--	I-3----
.885-026 GREASE MAKER	IRON / STEEL	-2-	2	M--4--	I-----
.885-030 THAW SHED OPERATOR	COKE PROD	-2-	4	M-----	O-----
.885-034 WAX-POT TENDER	FOUND	-2-	2	M--4--	I-----
.884-010 CARBON-FURNACE-OPERATOR HELPER	ORE DRESS SM	-3P	3	M234--	I-3---7
.782-010 CARBON-FURNACE OPERATOR	ORE DRESS SM	-2P	5	M234--	I-3---7
.782-018 DRIER OPERATOR	LIGHT HEAT	-2P	4	M--4--	I-----7
.782-030 STILL OPERATOR	ROOF MATERIA	-2P	5	L--4--	I-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-022 GRAPHITE PAN-DRIER TENDER	GRAPHITE	-3P	4	L2-4--	I-3-567
.884-014 FURNACE COOLER	ELEC EQUIP	-2-	5	M--4-6	I-3----
.782-022 DRIER OPERATOR	MINING / QUA	-2P	4	M--4-6	B---5-7
.782-026 OIL BOILER	ARTIF LEATHE	-2P	5	H-34--	B----67

544. GRINDING AND CRUSHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 BREAKER TENDER	COKE PROD	-2P	3	L-34-6	I---5-7
.782-010 COAL-PULVERIZER OPERATOR	ANY IND	-3P	4	L--4--	I---5--
.782-014 COKE-CRUSHER OPERATOR	COKE PROD	-3P	4	M--4-6	O---567
.782-022 MILL-AND-COAL-TRANSPORT OPERAT	LIGHT HEAT	-2P	3	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 GRINDER CARBON PLANT	ORE DRESS SM	-3P	4	M-34--	I---567
.782-018 CRUSHER-AND-BLENDER OPERATOR	COKE PROD	-3P	4	M234-6	I---567

546. REACTING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 NAPHTHALENE-OPERATOR HELPER	COKE PROD	-1-	1	H--4--	I--4--7
--------------------------------------	-----------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 GAS TREATER	ANY IND	-3P	4	L-34--	B-----
----------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 THERMALENE-GAS-PLANT OPERATOR	COMP / LIQUE	-2P	2	L--4--	I-----
--	--------------	-----	---	--------	--------

549. PROCESSING, PETROLEUM AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CHASER TAR
.887-014 COMPRESSED-GAS-PLANT WORKER
.887-018 HOT-HOUSE WORKER
.887-022 LABORER PETROLEUM REFINERY
.887-026 MUD-MIXER HELPER
.887-030 SAMPLE WORKER
.887-038 SAMPLER
.886-010 FELT HANGER
.886-014 RETORT UNLOADER
.885-010 ACETYLENE-CYLINDER-PACKING MIX
.885-018 COATER SLATE
.885-030 MOLDER WAX
.885-034 REELER
.885-038 TREATER HELPER
.885-046 WAX MOLDER
.884-010 PUMPER HELPER

COKE PROD -1P 2 M2-4-- O-3--67
COMP / LIQUE -2P 2 M--4-- I-----
BONE CARBON -2P 2 M-34-- I-----7
PETROL REFIN -2P 3 H234-- O----67
COKE PROD -1- 2 H-345- B---567
ELEC EQUIP -2- 2 L--4-- I-----
PETROL REFIN -2- 3 L2-4-- O-----7
ROOF MATERIA -2P 2 H--4-- I-----
WOOD DISTIL -1- 2 H-34-- B-----7
COMP / LIQUE -3P 2 M--4-- I-----
ROOF MATERIA -2P 3 H-34-6 I-3-5-7
PETROL REFIN -2- 4 M--4-- I-----
ROOF MATERIA -1- 3 H--4-- I---5--
PETROL REFIN -2P 4 M2-4-- B----67
FOUND JEWELR -2P 2 M--4-6 I-----
PETROL REFIN -3P 3 M234-- O----67

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-014 ACETYLENE-PLANT OPERATOR
.885-042 UTILITY OPERATOR

COMP / LIQUE -3P 3 H-34-- I-----
COMP / LIQUE -3P 3 L--4-- B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-034 SAMPLER
.885-022 DEHYDRATOR OPERATOR PEAT
.885-026 GAS WORKER
.782-014 COOLING-TOWER OPERATOR
.782-022 STILL-PUMP OPERATOR
.782-030 WASH-OIL-PUMP OPERATOR

MINING / QUA -3- 2 M234-- B-----
AGRIC -3P 2 H-34-- O-----7
COMP / LIQUE -2- 3 L--4-- I-----
PETROL REFIN -2P 5 M234-- O-----7
PETROL REFIN -3P 5 M234-- O----67
COKE PROD -3P 5 L234-6 I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-010 BRIQUETTE-MACHINE OPERATOR

FUEL BRIQUET -3P 4 M2-4-- I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.387-010 CARGO INSPECTOR
.384-010 TESTER COMPRESSED GASES

PETROL PRODU -3- 5 L2-4-- B----67
COMP / LIQUE -3- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.387-014 INSPECTOR

ROOF MATERIA -3- 5 H-34-6 I-----

PROCESSING OF CHEMICALS AND RELATED PRODUCTS (550.-559.)

Occupations in this area are concerned with the manufacture of basic chemicals such as acids, alkalies, salts, and organic compounds. Also included is the production of chemical substances to be used in further manufacture, such as synthetic fibers, synthetic rubber, or pigments. Manufacture of finished materials such as fertilizers, paint, explosives, plastic sheets and tubing, and similar products are included. There are 677 occupational titles from this area listed in this handbook.

All eight combinations of cognitive capabilities are represented. More than 40 percent of the occupations make minimum cognitive demands. About one-fourth of the occupations make moderate demands for both language and mathematics. Language demands are heavily oriented toward the use of chemical and process terminology in interpreting product specifications and maintaining operational logs. There is frequently a need to understand generic terms for chemicals as well as their formula notations. Mathematics demands involve the weighing and measurement of chemical ingredients and products; interpretation of gauges and charts; and calculation of values such as proportions, specific gravity, viscosity, and volumes. Perceptual processing demands involve such activities as adding a dye until a batch reaches the shade of a standard sample, using litmus paper and a chart to determine pH level, and observing and feeling rolls of cellophane for defects as they pass on a conveyor belt.

A substantial level of psychomotor capability is involved with a majority of the occupations in this area, frequently in association with computer control of routine operation and sophisticated instrumentation to give indications of incipient troubles. Quick and accurate response is often required after long periods of routine and uneventful processing. Mechanical capabilities can be an asset for minor maintenance of equipment. Knowledge of basic chemistry, electricity, and first aid can also help to guide appropriate action on the job.

Automation is tending to constrain the growth of job opportunities in this growing industry. There are entry opportunities and career progression opportunities for individuals who develop advanced job skills. Professional engineers or chemists almost always hold the upper-level supervisory and technical positions.

PHYS.D WK COND
HRP SVP 123456 1234567

550. MIXING AND BLENDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CHEMICAL-COMPOUNDER HELPER	COAL TAR PRO -1-	2	M-34--	I-----
.887-018 COLOR STRAINER	TEXTILE	-2-	2	H-34-- I--4--7
.887-022 DYE-WEIGHER HELPER	ANY IND	-2P	2	M-34-- I--4---
.886-010 BANBURY-MIXER-OPERATOR HELPER	ANY IND	-2-	2	M-34-- I-----7
.886-022 GLAZING OPERATOR BLACK POWDER	AMMUNITION E	-2-	2	H--4-- I----6-

550. MIXING AND BLENDING (CONT.)

.886-026 ROOF-CEMENT-AND-PAINT MAKER HE	ROOF MATERIA	-2-	1	H-34--	I-----
.886-030 STRICKLER FEEDER	LINOLEUM	-2-	2	M-34--	I-----7
.885-026 BLENDER	COAL TAR PRO	-2P	2	M--4--	I-----
.885-030 BLENDER	EXPLOSIVES	-2P	3	L--4--	I----6-
.885-062 GLUE BLENDER	GLUE	-2-	2	H-34--	I-----
.885-090 MIXER	FERTILIZER	-2P	2	L--4--	I---5-7
.885-150 MIXER	COMP / LIQUE	-2-	2	L--4--	I----6-
.885-234 SOLUTION MIXER	ELECTRONICS	-2P	2	M--4--	I-----
.885-238 TANK WORKER	SYNTHETIC FI	-2P	3	M--4--	I----7
.885-258 TUMBLER OPERATOR	FIREWORKS	-2P	2	M--4--	I-----
.782-030 COLOR MAKER	COAL TAR PRO	-3P	5	H--4--	I-----
.782-034 FROTHING-MACHINE OPERATOR	RUBBER GOODS	-3P	5	L--4--	I-----
.782-042 MIXER	PAINT / VARN	-3P	4	H--4--	I----7
.782-046 MIXER OPERATOR	EXPLOSIVES	-3P	5	H--4-6	I----67
.782-062 PULP-MACHINE OPERATOR	PAINT / VARN	-3P	4	L--4--	I---5--
.782-086 TANNING-SOLUTION MAKER	LEATHER MFG	-3P	5	M--4--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 BLENDER HELPER	FABRIC PLAST	-3-	2	H-34--	I---5-7
.887-034 SAMPLE COLLECTOR	FERTILIZER	-2-	2	L--4--	I-----7
.885-070 COATING OPERATOR	CHEM	-3P	4	L--4--	I-----
.885-074 POWERHOUSE HELPER	BONE CARBON	-2P	3	M--4--	-----
.885-078 PRIMER-POWDER BLENDER DRY	AMMUNITION	-3P	4	L--4--	I----6-
.885-086 ROLL-TENDER HELPER	GLUE	-2P	3	V-34--	I---567
.885-186 WET MIXER	FERTILIZER	-2P	2	L--4--	I---5-7
.782-018 BLEACH-LIQUOR MAKER	PAPER / PULP	-3P	5	L2-4-6	I-----
.782-054 OPERATOR CATALYST CONCENTRATIO	PLASTICS MAT	-3P	5	H2-4-6	B---567
.782-074 ROOF-CEMENT-AND-PAINT MAKER	ROOF MATERIA	-3P	5	H-34--	I-----
.782-078 SIZE MAKER	PAPER / PULP	-3P	5	H234--	I--4---
.782-082 SOLUTIONS OPERATOR	PLASTICS MAT	-3P	5	L--4--	I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-014 BATCH TRUCKER	RUBBER RECLA	-2-	2	M-34--	I-----7
.885-014 APRON-MILL TENDER	RUBBER RECLA	-2P	3	M--4--	I----6-
.885-018 BATCH MIXER	SOAP	-2P	3	M--4--	I----67
.885-034 BLENDER	FABRIC PLAST	-3P	3	H234--	I---5--
.885-062 CHEMICAL PREPARER	ELECTRONICS	-2-	4	M--4-6	I-----7
.885-066 CHURN TENDER	SYNTHETIC FI	-3P	3	M--4--	I-----7
.885-074 COLOR MIXER	FABRIC PLAST	-3P	4	H2-4-6	I-----7
.885-078 COLOR-PASTE MIXER	TEXTILE	-2P	3	M-34-6	I--4---
.885-086 COMPOUND FINISHER	MATCH	-3P	3	M--4--	I----6-
.885-098 BATH MIXER	SYNTHETIC FI	-2-	3	M-34-6	I-----7
.885-102 CRUTCHER	SOAP	-3P	2	L--45-	I-----
.885-110 DOPP-MACHINE OPERATOR	DRUG PREP	-3P	3	L--4--	I-----
.885-122 GROUND MIXER	WALLPAPER	-3P	2	H--4--	I-----
.885-142 MIXER	ARTIF LEATHE	-3P	4	H-34--	I-----7
.885-154 MIXER	INSECTICIDES	-2-	2	H--4--	I-----7
.885-158 MIXER FOAM RUBBER	RUBBER GOODS	-3P	2	M--4--	I-----

Processing of Chemicals and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

550. MIXING AND BLENDING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-166 MIXING-MACHINE TENDER
 .885-168 OINTMENT-MILL TENDER
 .885-202 PASTE MIXER LIQUID
 .885-246 TETRYL-DISSOLVER OPERATOR
 .782-066 PULVERIZING-AND-SIFTING OPERAT
 .782-070 RESIN-KETTLE OPERATOR
 .782-088 THIOKOL OPERATOR

MATCH -2P 4 H--4-- I-----
 DRUG PREP -2P 2 M-34-6 I-----
 ELEC EQUIP -3P 2 H234-- I-----
 EXPLOSIVES -3P 3 L--4-- I----6-
 AMMUNITION E -3P 4 H-34-- I-3--6-
 GLUE -3P 5 H2-4-6 I-----7
 PLASTICS -3P 5 M--4-6 I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-114 DUSTLESS OPERATOR
 .885-134 RUBBER-MILL TENDER
 .884-014 COLOR MATCHER
 .782-010 BANBURY-MIXER OPERATOR
 .782-014 BIAZZI-NITRATOR OPERATOR
 .782-058 PRIMER-POWDER BLENDER WET

BONE CARBON -2P 3 L2-4-- I-----
 RUBBER GOODS -3P 3 M-34-- I----6-
 BUTTON -2- 4 L----6 I-----7
 ANY IND -3P 5 L2-4-- I-3-5--
 EXPLOSIVES -3P 5 L--4-6 I-----
 AMMUNITION -3- 4 L----- I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-026 MAKE-UP OPERATOR HELPER
 .887-030 PILOT-OPERATOR HELPER
 .886-018 CRUTCHER HELPER
 .885-010 NITRATING-ACID MIXER
 .885-022 BINDER TECHNICIAN
 .885-038 BRINE MAKER
 .885-042 BRINE MAKER, POTASH
 .885-046 CD-MIXER
 .885-050 CELLOPHANE-BATH MIXER
 .885-054 CEMENT MIXER
 .885-058 CHEMICAL MIXER
 .885-090 COMPOUNDER
 .885-094 COMPOUNDER
 .885-106 DISULFURIZER TENDER
 .885-126 LIME-SLUDGE MIXER
 .885-130 COMPOUNDER
 .885-138 MIX-MILL TENDER
 .885-168 MIXING-MACHINE OPERATOR
 .885-170 MIXING-MACHINE OPERATOR
 .885-174 MIXING-MACHINE OPERATOR
 .885-186 PAINT MIXER MACHINE
 .885-190 PAINT THINNER
 .885-194 PAINT-AND-SOLUTION MIXER
 .885-198 PASTE MIXER
 .885-206 PIGMENT BLENDER
 .885-210 POWDER BLENDER AND POURER
 .885-222 RESIN COMPOUNDER BATCHLOT
 .885-230 SOLUTION MIXER
 .885-242 TETRYL-BLENDER OPERATOR
 .885-250 THINNER
 .885-254 TRACER-POWDER BLENDER

CHEM -2- 2 H234-- I-----
 PLASTICS MAT -2- 2 M--4-6 I-----
 SOAP -3- 1 H-34-- I-----7
 EXPLOSIVES -2P 4 L--4-- I-----
 GLASS MFG -3P 3 M--4-- I--4--
 CHEM -3P 3 M--4-- B-----7
 CHEM -3P 3 M--4-- B-----7
 RUBBER RECLA -3P 3 H--4-- I-----7
 PLASTICS MAT -3P 4 M--4-- I---567
 RUBBER GOODS -2- 4 M-34-- B----67
 KNIT GOODS T -3P 3 H-34-- I--4--
 DRUG PREP -3P 3 H--4-- I-----7
 RUBBER GOODS -3P 4 M-34-6 I-----
 PLASTICS MAT -3P 4 L--4-- I---5-7
 PAPER / PULP -3P 3 L--4-6 I-----
 MATCH -2- 3 M--4-- I---6-
 RUBBER GOODS -3P 3 M-34-- I---6-
 ANY IND -3P 3 H-34-- I-----
 CLEAN / POLI -2P 3 H-34-- I-----
 FABRIC PLAST -3P 4 M--4-- I---5--
 ANY IND -3P 4 M--4-6 I-----
 MIRROR -2- 2 H--4-- I-----
 BAL / SCALES -3P 3 M--4-- I-----7
 ELEC EQUIP -3P 3 M-34-6 I---5--
 RUBBER GOODS -3P 2 H-34-- I-----7
 AMMUNITION -3P 3 M--4-6 I---67
 PLASTICS MAT -3P 3 H--4-- I---5-7
 PLASTICS MAT -3P 4 M-34-- I---5-7
 EXPLOSIVES -2P 3 L--4-- I---6-
 PAINT / VARN -3P 2 M--4-- I---67
 AMMUNITION -3P 3 L--4-- I-3--6-

550. MIXING AND BLENDING (CONT.)

.885-262 WAX BLENDER	CANDLE	-3P	3	H-34-6	I-----
.885-266 WEIGHER AND MIXER	INK	-3P	4	H-34-6	I----6-
.884-010 SILVER SOLUTION MIXER	PHONOGRAPH	-3-	4	L--4-6	I-----
.884-026 DYE WEIGHER	ANY IND	-3-	3	H-34-6	I--4---
.884-030 FLUX MIXER	WELDING	-2-	4	M-34--	I---5--
.884-038 PRIMING-POWDER-PREMIX BLENDER	AMMUNITION	-2P	2	L--4-6	I-3--67
.884-042 SAMPLE-COLOR MAKER	PAINT / VARN	-2-	3	L--4-6	I-----
.883-010 FORMULA WEIGHER	RUBBER GOODS	-3P	3	S--4-6	I-----
.584-010 METAL-BONDING-ADHESIVE CRIB AT	AIRCRAFT MFG	-3-	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-082 COMPOSITION MIXER	LINOLEUM	-2P	4	H2-4-6	I-3-567
.782-076 SILVERING APPLICATOR	MIRROR	-3P	5	M--4--	I-----
.782-090 WEIGHER-BULKER	CHEM	-3P	5	H2-4-6	I33--67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-162 MIXER OPERATOR	CHEM	-3P	3	H--4--	I-----
.884-034 PAINT MIXER HAND	ANY IND	-2-	3	L--4-6	I-----7
.782-026 COLOR MAKER	ARTIF LEATHE	-3P	5	M--4-6	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-178 MOTTLE OPERATOR	LINOLEUM	-3-	3	H-34-6	I---567
.884-022 COLOR MIXER	HAT / CAP	-3-	4	L--4-6	I-----

551. FILTERING, STRAINING, AND SEPARATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BONE PICKER	GLUE	-1-	1	L-----	I-----
.887-018 LABORER COOK HOUSE	GLUE	-2P	2	H234--	I-34---
.887-030 FILTER PRESSER	SYNTHETIC FI	-1-	2	M--4-6	I-----7
.886-010 EXTRACTOR LOADER AND UNLOADER	GLUE	-2-	2	L-----	I-----
.886-014 HOPPER FEEDER	GREASE / TAL	-1-	2	M234--	I-34---
.886-018 PITCH WORKER	OPTICAL GOOD	-1-	2	L--4--	I-----
.886-022 SCRAP GRINDER	RUBBER GOODS	-1-	2	M-34--	I-----
.885-010 BAND TUMBLER	RUBBER GOODS	-1-	2	M--4--	I-----
.885-018 BOILING-TUB OPERATOR	EXPLOSIVES	-2P	2	L--4--	I-----6-
.885-022 BONE-COOKING OPERATOR	GLUE	-2-	3	L--4--	I-----
.885-030 CENTRIFUGE OPERATOR	PAINT / VARN	-3P	2	H2-----	I-----6-
.885-034 CENTRIFUGE OPERATOR	SOAP	-2P	2	L--4--	I-3-5--
.885-038 CENTRIFUGE-SEPARATOR OPERATOR	GLUE	-2P	2	L-----	I-----
.885-046 CLARIFICATION OPERATOR	COAL TAR PRO	-2P	2	L--4--	I-----
.885-050 COMPOUND-SIFTER OPERATOR	RUBBER GOODS	-2P	2	H-3---	I-----7
.885-054 COTTON-WRINGER OPERATOR	EXPLOSIVES	-2P	2	L--4--	I-----67
.885-058 DEHYDRATING-PRESS OPERATOR	AMMUNITION E	-2P	3	M--4--	I-----6-
.885-066 EXTRACTOR OPERATOR	GLUE GREASE	-2P	3	L--4--	I-----

Processing of Chemicals and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

551. FILTERING, STRAINING, AND SEPARATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-074	EXTRACTOR-AND-WRINGER OPERATOR	COAL TAR PRO	-2P	2	L--4--	I-----
.885-078	FAT-PURIFICATION WORKER	OILS / FATS	-2P	2	L--4--	I-----7
.885-082	FILTER HELPER	BONE CARBON	-2P	2	M--4-6	I--4---
.885-094	LEACHER	PAPER / PULP	-2P	3	L--4--	I-----
.885-106	MERCURY WASHER	CHEM	-2P	2	H-34--	I-----7
.885-110	NAPHTHALENE OPERATOR	COKE PROD	-2P	3	M-3456	I----67
.885-126	POACHER OPERATOR	AMMUNITION E	-2P	3	M--4--	I----6-
.885-134	PRECIPITATE WASHER	CHEM	-2P	3	M--4-6	I-----
.885-138	PRESS OPERATOR	CHEM	-2P	2	M--4--	I-----
.885-142	PRESS OPERATOR	GREASE / TAL	-2P	2	L4----	I--4--7
.885-154	DUNCON OPERATOR	SOAP	-1P	2	L--4--	I-----
.885-158	REFINER MILL TENDER	RUBBER RECLA	-3P	3	M-34--	I----6-
.885-170	SECOND OPERATOR FILTERMAN	CHEM	-3P	4	L2-4--	I-----7
.885-174	SEED-CLEANER OPERATOR	AGRIC OILS	-2P	2	L--4--	I---5-7
.885-178	SEPARATOR	INK	-2P	2	L--4--	I-----7
.885-182	SODA DIALYZER	SYNTHETIC FI	-2P	2	L--4-6	I-----
.885-190	TETRYL-SCREEN OPERATOR	EXPLOSIVES	-2P	2	M--4--	I----67
.885-194	VACUUM-PAN OPERATOR	EXPLOSIVES	-2P	2	M--4--	I----6-
.885-198	VACUUM-PAN OPERATOR	EXPLOSIVES	-2P	3	L--4--	I----6-
.885-210	WAX BLEACHER	CANDLE	-2P	3	H--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-070	EXTRACTOR OPERATOR SOLVENT PRO	CHEM	-3P	3	L--4--	B-----
.885-166	SCREEN OPERATOR	CHEM	-3P	3	L--4--	I-----7
.782-022	HYDRAULIC-STRAINER OPERATOR	PLASTICS MAT	-3P	5	M-34--	I-----
.782-034	WATER-GAS OPERATOR	COMP / LIQUE	-3P	4	L--45-	I--567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-014	BRINE MAKER	SALT PRODUCT	-2-	3	M--4--	I----6-
.887-022	PACK-ROOM OPERATOR	SYNTHETIC FI	-2P	2	L--4-6	I-----
.885-042	CHILLER OPERATOR	CHEM	-2P	3	L--4--	I-----
.885-086	FILTER-TANK OPERATOR	COAL TAR PRO	-2P	2	M--4--	I-----
.885-102	MERCURY PURIFIER	CHEM	-2P	4	M2-4--	I---5--
.885-122	PIGMENT PRESSER	CHEM	-2P	3	H--4--	I-----
.885-162	ROTARY-CUTTER OPERATOR	RUBBER GOODS	-2P	2	H--4--	I---5-7
.885-202	SALT WASHER	SALT PRODUCT	-2P	3	M2-4--	B--456-
.885-206	WATER-TREATMENT-PLANT OPERATOR	ORE DRESS SM	-3P	4	L2-4--	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-026	SCREEN CLEANER	RUBBER RECLA	-1P	2	L-34--	I-----
.885-186	STRAINER TENDER	RUBBER RECLA	-2P	4	L--4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014	BEATER OPERATOR	EXPLOSIVES	-3P	3	L--4--	I----6-
.885-026	CATALYST-RECOVERY OPERATOR	CHEM OILS	-3P	2	H--4--	I-----
.885-062	EXTRACTOR OPERATOR	DRUG PREP	-2P	3	M--4--	I-----

551. FILTERING, STRAINING, AND SEPARATING (CONT.)

.885-098 LYE TREATER	CHEM SOAP	-3P	2	M--4--	I-3---7
.885-118 PAN HELPER	CHEM	-3P	4	H-34--	I---5-7
.885-130 POND TENDER	SALT PRODUCT	-2P	4	M--4--	O-----
.885-146 PURIFICATION OPERATOR	COAL TAR PRO	-3P	2	H-34--	B-----7
.885-150 PURIFICATION-OPERATOR HELPER	CHEM	-3P	4	L2-4--	B-----7
.782-014 BENZENE-WASHER OPERATOR	CHEM COKE PR	-3P	5	L--4-6	I-----7
.782-018 FILTRATION OPERATOR POLYETHYLE	CHEM	-3P	5	L2-4--	I-----7
.782-026 MONOMER-PURIFICATION OPERATOR	CHEM	-3P	5	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-090 GREASE-REFINER OPERATOR	GREASE / TAL	-2P	4	L2-4--	I-34---
.885-114 NITROGLYCERIN-SEPARATOR OPERAT	EXPLOSIVES	-3P	4	L--4-6	I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 ABSORPTION OPERATOR	CHEM COAL TA	-3-	4	L--4--	I-----7
------------------------------	--------------	-----	---	--------	---------

552. DISTILLING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DECKHAND	TURP / ROSIN	-2-	2	H--4--	I-----7
.887-014 DISTILLATION-OPERATOR HELPER	COAL TAR PRO	-2-	2	M--4--	B-----
.886-010 DECKHAND	TURP / ROSIN	-1-	1	M--4--	I-----7
.886-014 EXTRACTOR-OPERATOR HELPER	WOOD DISTIL	-2-	2	M--4--	I-----
.885-010 ACETONE-RECOVERY WORKER	SYNTHETIC FI	-2P	3	L--4--	I-----7
.885-018 BATH-MIX OPERATOR	PLASTICS MAT	-2P	2	H-34--	I---5-7
.885-038 RETORT-CONDENSER ATTENDANT	WOOD DISTIL	-2P	3	L--4--	I-----
.885-042 SECOND OPERATOR	CHEM	-2P	4	H234--	O-----7
.885-046 STILL OPERATOR	LEATHER MFG	-2P	4	H--4--	I-----
.885-050 STILL TENDER	ANY IND	-2P	2	M--4-6	I-----
.885-054 STILL-OPERATOR HELPER	CHEM	-2P	2	H--4--	I-----7
.782-022 DISTILLER	WOOD DISTIL	-2P	5	L--4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-026 EXTRACTOR OPERATOR	WOOD DISTIL	-2P	5	L--4--	I-----
-----------------------------	-------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-022 CRYSTALLIZER OPERATOR	EXPLOSIVES	-3P	3	L--4--	I----6-
.885-026 DEODORIZER	OILS / FATS	-2P	2	M--4--	I----6-
.782-018 DISTILLATION OPERATOR	COAL TAR PRO	-2P	5	L--4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014 BATCH-STILL OPERATOR	CHEM	-3P	3	M2-4-6	I-----7
.885-030 DISTILLER	TURP / ROSIN	-3P	3	L--4--	I-----7
.885-034 GLYCERIN OPERATOR	SOAP	-3P	3	L--4--	I---5--

Processing of Chemicals and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

553. HEATING, BAKING, SEASONING, MELTING, AND HEAT TREATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CD-PAN DUMPER	RUBBER RECLA -1-	2	V-34--	I--4-67
.887-014 CD-PAN LOADER	RUBBER RECLA -1-	2	M-34--	I-----7
.887-018 DRIER HELPER	CHEM -3-	2	L2-4--	B-----
.887-022 FURNACE HELPER	BONE, CARBON -3P	2	L---4-	I-3---7
.887-026 FURNACE PACKER CARBON FURNACE	ELEC EQUIP -2P	3	H234--	I---67
.886-010 BELT-PRESS-OPERATOR HELPER	RUBBER GOODS -2P	2	H-345-	I-3----
.886-014 BONE-CHAR OPERATOR	BONE CARBON -2P	2	M2-4--	I-3---7
.886-018 CALCINE FURNACE LOADER	PAINT / VARN -2P	2	H--4--	I-----
.886-022 CD-MIXER HELPER	RUBBER RECLA -2P	2	H-34--	I--4-67
.886-026 OVEN FEEDER	RUBBER GOODS -2-	2	L--4--	I-----
.886-030 DRIER-OPERATOR HELPER	RUBBER RECLA -2P	2	M--4--	I--4----
.886-034 FRAME FEEDER	GLUE -2-	2	M-34--	I---5--
.886-038 OVEN LOADER	RUBBER GOODS -2P	2	H--4--	I-3----
.886-042 ROTARY-DRIER FEEDER	CHEM -2F	2	M-34--	I-----
.886-046 VAPORIZER HELPER	PLASTICS MAT -1-	1	M--4--	I-----
.886-050 VARNISH-MAKER HELPER	INK PAINT -2-	2	H-34--	I---6-
.885-010 BAGGER	FABRIC PLAST -3P	3	H--4--	I-----7
.885-014 BELT-PRESS OPERATOR	RUBBER GOODS -2P	3	H-345-	I-3----
.885-026 BOILING-OUT-OVEN OPERATOR	PLASTICS MAT -2P	2	M--4--	I-----
.885-030 BONE-DRIER OPERATOR	GLUE GRAIN -2P	2	V--4-6	I-----7
.885-034 BULK-SEALER OPERATOR	PAPER GOODS -2P	2	L--4--	I-----
.885-046 CALCINE-FURNACE TENDER	PAINT / VARN -2P	4	H--4--	I-----
.885-054 CENTRIFUGAL-DRIER OPERATOR	CHEM -3P	4	M--4--	I---5--
.885-058 CONTINUOUS-LINTER-DRIER OPERAT	EXPLOSIVES -2P	3	L--4--	I---67
.885-066 COOKER TENDER	GREASE / TAL -2P	2	M--4--	I-34--7
.885-070 CRIMP SETTER	TEXTILE -2P	2	M--4--	I-----
.885-082 DE-AMMONIATOR	RUBBER GOODS -2P	2	L-----	I-----
.885-102 DRIER OPERATOR	CHEM -3P	5	M--4--	I-----
.885-118 DRIER OPERATOR	RUBBER RECLA -2P	3	L--4--	I--4-67
.885-122 DRIER OPERATOR	PLASTICS MAT -2P	2	M--45-	I---5--
.885-126 DRIER TENDER	RUBBER GOODS -2-	2	L--4--	I-----
.885-130 DRIER-OPERATOR HELPER	GLUE -2-	2	M-34--	I-----
.885-134 DRUM-DRIER OPERATOR	BONE CARBON -2P	3	L--4--	I-3---7
.885-138 DRYING-ROOM ATTENDANT	SOAP -2P	2	M--4--	I-----
.885-142 FIRE-HOSE CURER	RUBBER GOODS -3P	2	H--4--	I--4-6-
.885-146 BONE-CHAR KILN TENDER	CORN PROD -2P	2	M2-4--	I-3----
.885-150 FIRER, HELPER	PAPER / PULP -2P	2	M234--	B-----
.885-154 FIRER, RETORT	CHEM WOOD DI -2P	4	L--4--	I-3----
.885-162 KETTLE WORKER	SOAP -2P	3	M--4--	I-3--67
.885-166 LIME-SLUDGE KILN OPERATOR	PAPER / PULP -2P	2	M--4--	I-----
.885-170 MILLED-RUBBER ATTENDANT	RUBBER GOODS -2P	2	M-34--	I---6-
.885-174 OVEN TENDER	FURN -2P	4	M--4--	I-----
.885-178 OVEN TENDER II	ELEC EQUIP -2P	3	M--4--	I-3--6-
.885-182 OVEN TENDER, PLASTIC DOLLS	TOYS / GAMES -2P	3	H--4--	I-3-56-
.885-190 PLASTICS-SEASONER OPERATOR	PLASTICS MAT -2P	2	M--4--	I-3----
.885-194 POT-HEATER TENDER	RUBBER TIRE -2P	3	V--4--	I-34---
.885-202 RABBLE-FURNACE TENDER	BONE CARBON -2P	3	L--4--	I-----7
.885-206 ROTARY-FURNACE TENDER	CHEM -2P	3	H--4--	I-3---7

553. HEATING, BAKING, SEASONING, MELTING, AND HEAT TREATING (CONT.)

.885-210 RUBBER-TUBING SPLICER	RUBBER GOODS -2P 2	L--4-- I-----
.885-214 SOAP-DRIER OPERATOR	SOAP -2P 2	L--4-- I---5-7
.885-218 SPLICING-MACHINE OPERATOR	RUBBER TIRE -2P 2	L--4-- I-----7
.885-222 STEAM-PRESS TENDER I	RUBBER GOODS -2P 4	H-345- I-3----
.885-226 STEAM-PRESS TENDER II	RUBBER GOODS -2P 3	M-345- I-3----
.885-230 SULFATE DRIER-MACHINE OPERATOR	COKE PROD -2P 4	L--4-- I----67
.885-238 TIRE CUREMAN	RUBBER TIRE -2P 3	M-34-- I-34---
.885-242 TIRE MOLDER	AUTO SER -2P 2	M--4-- I-----
.885-246 TIRE-BAGGING-MACHINE TENDER	RUBBER TIRE -2P 2	H-34-- I--4---
.885-250 TRAY-DRIER OPERATOR	BONE CARBON -2P 3	M--4-- I-3---7
.885-254 TUMBLER OPERATOR	RUBBER GOODS -2P 2	M--4-- I-----
.885-258 VACUUM-DRIER TENDER	CHEM -2P 4	M--4-- I-3---7
.885-262 WATCHCASE-VULCANIZER TENDER	RUBBER TIRE -2P 3	M-34-- I-3--6-
.884-010 HEAT WELDER PLASTICS	FABRIC PLAST -2P 3	M--4-6 I-3----
.782-022 BLACK-ASH-BURNER OPERATOR	PAPER / PULP -3P 4	M--4-- I-----
.782-050 EVAPORATOR OPERATOR	WOOD DISTIL -2P 5	L--4-- I-----
.585-010 DRY-HOUSE ATTENDANT	FIREWORKS -2P 3	M-34-- I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-022 BLACK-MILL OPERATOR	BONE CARBON H3P 4	L234-6 I-----7
.885-050 CALCINER HELPER	CHEM -3P 4	L2-4-6 I-3---7
.885-086 DEBUBBLIZER	PLASTICS MAT -2P 3	M-34-- I--4-6-
.885-090 DRIER	RUBBER GOODS -2P 2	L--4-- I-----
.885-094 DRIER OPERATOR	AMMUNITION E -3P 4	L--4-- I-3--6-
.885-098 DRIER OPERATOR	CHEM -2P 3	H--4-- I-3----
.885-158 HEATER TENDER	RUBBER GOODS H3P 2	M--4-- I--6--
.885-186 PIGMENT FURNACE TENDER	CHEM -3P 3	H--4-- I-----
.884-014 NITRO-COTTON OPERATOR	EXPLOSIVES -2P 3	M--4-6 B----6-
.782-018 BELT-PRESS OPERATOR	RUBBER GOODS -3P 5	H-34-- I-3----
.782-038 CATALYST OPERATOR	OILS / FATS -3P 4	L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 BLACK-ASH CONVEYOR TENDER	PAPER / PULP -3P 3	M--4-- I-----
.885-042 CADMIUM-LIQUOR MAKER	PAINT / VARN -3- 4	H--4-- I----67
.885-078 CURING-OVEN TENDER	ORDNANCE -2P 4	L--4-6 I----6-
.782-026 BOILER	SOAP -3P 5	L--4-- I2---67
.782-042 CUREMAN FOAM RUBBER	RUBBER GOODS -3P 4	L--4-- I-----
.782-054 EVAPORATOR OPERATOR	ANY IND -3P 5	L--4-- I-----
.782-082 PURIFICATION OPERATOR	PLASTICS MAT -3P 4	L--4-- I-----
.782-086 V-BELT CURER	RUBBER GOODS -3P 4	M--4-- I-3--6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-038 BURN- TENDER	FERTILIZER -2P 2	M--4-6 I-----
.885-074 CRIMPING-MACHINE OPERATOR	TEXTILE -3P 2	L--4-- I--45--
.885-106 DRIER OPERATOR	CHEM -3P 3	L--4-- I-----7
.885-110 DRIER OPERATOR	CHEM DRUG PR -2P 3	M--4-- I-3---7
.885-114 DRIER OPERATOR	GLUE -3P 4	L-34-6 I-----
.885-234 THERMAL MOLDER	RUBBER GOODS -2P 3	M-34-- I--4-6-

Processing of Chemicals and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

553. HEATING, BAKING, SEASONING, MELTING, AND HEAT TREATING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-062 COOK	GLUE	-3P	3	L234--	I-34---
.885-198 PRIMER EXPEDITER AND DRIER	AMMUNITION	-2P	3	L-34--	B-3--6-
.782-010 AGER OPERATOR	PLASTICS MAT	-3P	5	L--4--	I---5--
.782-014 AUTOCLAVE OPERATOR	CHEM	-3P	5	H--4--	I-----7
.782-034 CARBON-ARC-FURNACE OPERATOR	MINERALS / E	-3P	5	H--4--	I-3----
.782-046 DRIER OPERATOR	CHEM	-3P	4	L--4--	I-----
.782-066 FLASH-DRIER OPERATOR	BONE CARBON	-3P	4	M--4-6	I-----7
.782-070 FURNACE OPERATOR	ELEC EQUIP	-3P	4	L--4--	I-----
.782-074 KETTLE OPERATOR ADHESIVE	GLUE	-3P	5	H234-6	I-3--6-
.782-078 POT FIRER	CHEM	-3P	5	L-34--	I---5-7

554. COATING, CALENDERING, LAMINATING, AND FINISHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 SPREADER	PLASTICS MAT	-1P	2	M--4--	I-----7
.886-010 CALENDER FEEDER	RUBBER GOODS	-1P	1	H--4--	I---56-
.886-014 CALENDER-LETOFF HELPER	RUBBER GOODS	-1P	2	M--4-6	I-----
.886-018 CALENDER-OPERATOR HELPER	RUBBER GOODS	-2P	2	H-34--	I---56-
.886-022 CALENDER-TAKE-OFF HELPER	RUBBER GOODS	-1-	2	L--4--	I-----
.886-030 COATING-MACHINE FEEDER	LEATHER PROD	-1-	2	L--4-6	I-----
.886-034 FINISHER	PLASTICS MAT	-2-	2	M--4--	I-----
.886-038 FORM STRIPPER	RUBBER GOODS	-1-	2	L--4--	I-----
.885-010 BELTING FINISHER	NARROW FABRI	-2P	2	M--4--	I-----
.885-026 CELLOPHANE-FOLDING-MACHINE OPE	FABRIC PROD	-1P	2	L--4-6	I-----
.885-038 COMBINING-MACHINE OPERATOR	PLASTICS MAT	-2P	4	L--4--	I---67
.885-058 SIZING-MACHINE OPERATOR	ABRASIVE / P	-1P	3	L--4--	I-----
.885-062 SLAB-OFF TENDER	RUBBER GOODS	-2P	2	L--4--	I---6-
.885-070 SQUEEGEE TENDER	RUBBER TIRE	-2P	2	M--4--	I-----
.885-078 STRIPPING-MACHINE OPERATOR	RUBBER GOODS	-2P	2	L--4--	I-----
.885-082 VARNISH-MACHINE OPERATOR	RUBBER GOODS	-1P	3	L--4--	I-----
.885-086 WIND-UP RACK TENDER	RUBBER TIRE	-2P	2	H-34--	I-----
.884-018 FOAM DISPENSER	RUBBER GOODS	-2P	3	M-34--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 CALENDER WIND-UP TENDER	RUBBER GOODS	-3P	2	M--4-6	I-----
.885-046 LAMINATING-MACHINE OPERATOR	RUBBER GOODS	H2P	2	M-----	I---6-
.885-054 MILL-ROLL REWINDER	PLASTICS MAT	-3P	4	M-34--	I-----
.884-010 CAUSTIC OPERATOR	PLASTICS MAT	-2P	3	M--4--	I--4-6-
.884-014 DYER	BUTTON	-3P	2	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 SPREADER HELPER	RUBBER GOODS	-1P	2	M--4--	I-----
.885-042 FINISHER CHERRY BOMBS	FIREWORKS	-3P	2	M--4-6	I-----
.782-026 HOSE MAKER MACHINE	RUBBER GOODS	-3P	4	M--4--	I--4---
.782-034 ROLL OPERATOR	PLASTICS MAT	-3P	5	M--4-6	I---56-
.782-038 ROOFING-MACHINE OPERATOR	ROOF MATERIA	-2P	5	L--4--	I-3-5--

554. COATING, CALENDERING, LAMINATING, AND FINISHING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014 BUCKLE-STRAP-DRUM OPERATOR	RUBBER GOODS	-3P	2	L--4--	I-----
.885-022 CATHODE MAKER	CHEM	-3P	4	H-34--	I-----7
.885-066 SPREADER MACHINE TENDER	RUBBER GOODS	-3P	3	M--4--	I-----
.885-074 STRAP-FOLDING-MACHINE OPERATOR	RUBBER GOODS	-3P	2	L--4-6	I-----
.782-030 PLASTICS-SPREADING-MACHINE OPE	PLASTICS MAT	-3P	4	L--4-6	I-----7
.484-010 SAMPLER	FABRIC PLAST	-3P	4	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-034 COATING-AND-BAKING OPERATOR	ANY IND	-2P	3	M--4--	I-3-5-7
--------------------------------------	---------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.886-026 CALENDER-WIND-UP HELPER	RUBBER GOODS	-2P	2	M-34--	I-----
.885-050 LINER REROLL TENDER	RUBBER GOODS	-3P	2	H--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030 COATER OPERATOR	PLASTICS MAT	-3P	4	L-34--	I---5-7
.782-010 CALENDER OPERATOR	RUBBER GOODS	-3P	4	M--4--	I---56-
.782-018 CALENDER-LET-OFF OPERATOR	RUBBER GOODS	-3P	4	M--45-	I-----
.782-042 SPONGE-RANGE OPERATOR	CARPET / RUG	-3P	5	L--4--	I-----
.587-010 ROLL INSPECTOR	PLASTICS MAT	-2-	3	M--4-6	I-----

555. GRINDING AND CRUSHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ANIMAL SKINNER	GLUE GREASE	-2P	2	H-34--	I--4--7
.887-014 SCALE OPERATOR	GLUE	-1-	1	L-----	I-----
.886-010 BEAD PICKER	RUBBER RECLA	-1-	1	L--4--	I-----
.886-014 BLOCK-BREAKER OPERATOR	EXPLOSIVES	-1-	2	M-34--	I---67
.886-018 CAKE-PRESS-OPERATOR HELPER	PLASTICS MAT	-2P	2	H--4--	I-3--6-
.886-022 SOAP CHIPPER	SOAP	-1P	1	M--4--	I---5-7
.885-010 BONE CRUSHER	GLUE	-1P	2	L--4--	I---5-7
.885-014 SHREADER HELPER	GLUE	-1-	3	L-34--	I--45-7
.885-018 CRUSHER TENDER	LINOLEUM	-2P	2	L--4--	I-----
.885-026 DAUB GRINDER	ARTIF LEATHE	-2P	4	H234--	I---67
.885-030 FINE GRINDER	RUBBER RECLA	-2P	2	H-34--	I---67
.885-034 GRINDER	RUBBER RECLA	-1P	2	H-34--	I--4-67
.885-038 GRINDER	FABRIC PLAST	-1P	3	M-34--	I---5--
.885-042 GRINDER OPERATOR	CHEM	-2P	3	M--4--	I-----7
.885-050 MILL ATTENDANT	COAL TAR PRO	-2P	2	M--4--	I-----
.885-054 MIX-CRUSHER OPERATOR	ELEC EQUIP	-2P	2	M-34--	I---5-7
.885-058 PELLET-PRESS OPERATOR	CHEM	-3P	4	M--4-6	I---5--
.885-062 PULVERIZER	COAL-TAR PRO	-2P	2	H--4--	I-----
.885-070 SCRATCHER TENDER	LINOLEUM	-2P	3	V234-6	I-3--6-

Processing of Chemicals and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

555. GRINDING AND CRUSHING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-074 SECOND OPERATOR MILLMAN
.885-078 SHREDDER OPERATOR
.885-082 SOAP GRINDER
.885-086 WHEEL-MILL OPERATOR
.782-010 DRY-WHITE-LEAD GRINDER
.782-030 WHITE-LEAD MAKER

CHEM -2P 3 L2-4-- I---5-7
SYNTHETIC FI -2P 2 L--4-- I-----
SOAP -2P 2 H--4-- I---56-
EXPLOSIVES -2P 2 M--4-- I---67
PAINT / VARN -2P 5 H--4-- I---5--
PAINT / VARN -2P 5 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-022 CUTTER OPERATOR
.885-066 RUBBER GRINDER

PLASTICS MAT -2P 3 M-34-- I---56-
RUBBER GOODS -2- 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-022 ROLLER-MILL OPERATOR

INK PAINT -3P 4 H-34-6 I---4--7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-026 STONE-MILL OPERATOR

PAINT / VARN -3P 5 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-046 MILL ATTENDANT
.782-018 PALLMAN-MILL OPERATOR

SALT PRODUCT -3P 3 M--4-6 I---5-7
RUBBER GOODS -3P 4 M--4-6 I---5--

556. CASTING AND MOLDING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOWLING-BALL-MOLD ASSEMBLER
.887-014 BREAKOUT MAN
.887-018 CASTER
.887-026 FOAM-RUBBER TRIMMER
.887-038 MOLDER TOILET PRODUCTS
.887-042 POURER
.887-046 WATCHCASE-VULCANIZER-TENDER HE
.886-010 ARCH-CUSHION-PRESS LOADER-AND-
.886-014 CELL STRIPPER
.886-018 MOLD STRIPPER
.886-026 STRIPPER
.886-030 SUPPOSITORY-MOLDING-MACHINE OP
.885-014 BLOCK-PRESS OPERATOR
.885-018 BOWLING-BALL MOLDER
.885-026 CASTING-MACHINE-SERVICE OPERAT
.885-034 COMPRESSION-MOLDING-MACHINE TE
.885-042 COSMETICS PRESSER
.885-054 INJECTION-MOLDING-MACHINE TEND
.885-058 MATTING PRESS TENDER
.885-062 MOLD-PRESS OPERATOR

SPORTS EQUIP -2P 1 M-34-6 I-----7
RUBBER GOODS -1- 2 M-34-- I--4---
RUBBER GOODS -2- 2 L--4-- I-----
RUBBER GOODS -1- 2 L--4-- I-----
DRUG PREP -2- 3 L--4-6 I-----
RUBBER GOODS -1- 2 M-34-- I-----
RUBBER TIRE -1- 2 M-34-- I-34-6-
RUBBER GOODS -1P 2 L--4-- I-----7
PLASTICS MAT -2P 2 H--4-- I-----
RUBBER GOODS -1- 2 M-34-- I--4---
RUBBER GOODS -2P 2 L--4-- I-----
DRUG PREP -1- 1 L--4-- I---5--
EXPLOSIVES -2P 2 L--4-- I---6-
SPORTS EQUIP -3P 2 H--4-- I-----
PLASTICS MAT -2P 3 M-34-- I--456-
FABRIC PLAST -2P 2 L--4-- I-----
DRUG PREP -3P 2 M--4-6 I-----
FABRIC PLAST -3P 4 L--4-- I-----
RUBBER GOODS -2P 2 M--4-- I--4-6-
BUTTON -1P 2 M--4-- I-----

556. GRINDING AND CRUSHING (CONT.)

.885-066 MOLDER FOAM RUBBER	RUBBER GOODS -2P	2	M--4--	I-----
.885-078 PARADICHLOROBENZENE TENDER	CHEM	-2P	2	L-----
.885-082 PEARL-GLUE OPERATOR	GLUE	-2P	3	L--4--
.885-090 RECORD-PRESS TENDER	PHONOGRAPH	-2P	3	L--4-6
.885-094 SLUG-PRESS OPERATOR	ELEC EQUIP	-2P	2	H--4--
.885-098 STAMPER	INSECTICIDES	-2P	2	L--4--
.885-102 VACUUM PLASTIC-FORMING-MACHINE	FABRIC PLAST	-2P	3	M--4--
.884-018 RUBBER MOLDER	MODEL / PATT	-2P	4	L--4--
.782-022 DYNAMITE-PACKING-MACHINE OPERA	EXPLOSIVES	-3P	5	M--4-6
.782-026 GELATIN-DYNAMITE-PACKING OPERA	EXPLOSIVES	-3P	5	M--4-6

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022 CELL PREPARER	PLASTICS MAT -2-	2	H--4--	I-----
.887-030 MOLD CLEANER	RUBBER GOODS	-2P	2	H--4--
.887-034 MOLD PARTER	PLASTICS MAT	-2P	2	M--4--
.886-034 WEATHERSTRIP OFF-BEARER	RUBBER GOODS	-3P	2	M--4--
.885-010 AIR-BAG CURER	RUBBER TIRE	-2P	2	M--4--
.885-070 MOLDER PIPE COVERING	FABRIC PLAST	-3P	3	M--4--
.884-014 MOLD-FILLING OPERATOR	PLASTICS MAT	-3P	4	M--4--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-022 CAKE-PRESS OPERATOR	PLASTICS MAT	-3P	4	H--4-6
.885-074 MOLDER, MACHINE	DRUG PREP	-3P	3	M--4--
.885-086 PILLING-MACHINE OPERATOR	FABRIC PLAST	-2P	4	H-34--
.782-030 INJECTION-MOLDING-MACHINE OPER	FABRIC PLAST	-2P	5	H--4--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-022 PADDED-PRODUCTS CURER	RUBBER GOODS	-3P	2	M-34--
.782-038 PLODDER OPERATOR	SOAP	-2P	4	L--4--
.782-042 PREFORM-MACHINE OPERATOR	BUTTON	-2P	4	L--4--
.684-010 CELL INSPECTOR	PLASTICS MAT	-2P	4	L--4-6

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-030 CASTING-ROOM OPERATOR	PLASTICS MAT	-2P	4	M-34--
.885-046 DIPPER	RUBBER GOODS	-2P	2	H--4--
.885-050 DIPPING-MACHINE OPERATOR	RUBBER GOODS	-3P	3	M--4--
.684-010 ENCAPSULATOR	AIRCRAFT MFG	-2P	3	L--4--
.884-022 SCAGLIOLA MECHANIC	STAT. / ART	-2P	5	H--4--
.782-014 COMPRESSION-MOLDING-MACHINE OP	FABRIC PLAST	-2P	5	H-34-6

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-038 CORRUGATOR OPERATOR	PLASTICS MAT	-3P	4	L--4-6
.782-010 ARCH-CUSHION-PRESS OPERATOR	RUBBER GOODS	H3P	4	M--45-
.782-018 COMPRESSOR	DRUG PREP	-3P	5	M--4-6
.782-034 PLATE MOLDER	PEN / PENCIL	-3P	4	L--4-6

Processing of Chemicals and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

557. EXTRUDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 CORE EXTRUDER
.885-014 STAPLE CUTTER
.885-018 EXTRUDER TENDER
.885-030 SPINNER
.885-038 SPINNING-MACHINE OPERATOR

ELEC EQUIP -1P 2 L--4-- I-----
SYNTHETIC FI -2P 3 L--4-6 I-----
RUBBER GOODS -2P 3 L--4-- I-----
SYNTHETIC FI -2P 3 L--4-6 I-----7
SYNTHETIC FI -2P 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-026 SECOND FLOOR OPERATOR
.884-010 EXTRUDER-OPERATOR HELPER
.782-018 GRAINING-PRESS OPERATOR

SYNTHETIC FI -2P 3 L--4-6 I-----7
FABRIC PLAST -2P 2 H--4-- I---5-7
EXPLOSIVES -3P 4 L--4-6 I---6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-022 PROCESSOR

SYNTHETIC FI -2P 3 L--4-6 -----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-042 TUBE-BUILDING-MACHINE OPERATOR
.884-014 JET HANDLER

RUBBER GOODS -3P 3 L-34-- I-----7
SYNTHETIC FI -2- 4 M--4-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-034 SPINNING-BATH PATROLLER
.884-022 PUMP TESTER
.782-010 EXTRUDER OPERATOR
.782-014 EXTRUSION-PRESS ADJUSTER
.782-022 WINK-CUTTER OPERATOR
.684-010 BATH-SOLUTION MAKER

SYNTHETIC FI -2P 4 L--4-6 I-----7
SYNTHETIC FI -3P 4 L--4-- I-----7
FABRIC PLAST -3P 4 H--4-- I---5-7
ELEC EQUIP -3P 5 L--4-- I-----
RUBBER GOODS -3P 4 L--4-- I-----
SYNTHETIC FI -3- 4 M-34-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 JET WIPER

SYNTHETIC FI -2P 2 L--4-6 I-----7

558. REACTING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BLEACH PACKER
.886-014 DEVULCANIZER CHARGER
.886-018 FURNACE HELPER
.886-022 RING-ROLLING-MACHINE-OPERATOR
.885-038 POLYSULFIDE-REACTOR OPERATOR
.885-070 RECOVERY OPERATOR
.885-130 RECOVERY OPERATOR
.885-134 RED-LEAD BURNER

CHEM -1P 1 M--4-- I-----7
RUBBER RECLA -1- 2 H--4-- I-----7
CHEM -2P 2 H-34-- I-----7
RUBBER GOODS -1P 2 H--4-- I-----
CHEM -2P 3 M--4-- I-----7
EXPLOSIVES -2- 3 L--4-- I---6-
PLASTICS MAT -2P 3 L---5- I-----
PAINT / VARN -2P 2 M--4-- I-----7

558. REACTING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-030 BLEACHER OPERATOR	CHEM SOAP	-2-	2	H--4--	I-----
.885-034 CATALYTIC-CONVERTER-OPERATOR H	CHEM	-2P	5	L--4--	B-----
.885-066 CONTACT-ACID-PLANT OPERATOR	CHEM FERTILI	-3-	4	L--4--	I-----
.885-070 CUPROUS-CHLORIDE HELPER	CHEM	-2-	2	M2-4--	I-----7
.885-074 DEVULCANIZER TENDER	RUBBER RECLA	-3P	3	M--4--	I----6-
.885-078 ELETRIC CELL TENDER	CHEM	-2P	4	M--4--	I-----
.885-082 ION-EXCHANGE OPERATOR	GLUE	-3P	3	L--4--	I--4---
.885-086 ION-EXCHANGE OPERATOR	ORE DRESS SM	-2P	4	L--4--	I---5--
.885-090 LEAD-NITRATE PROCESSOR	CHEM	-2P	3	V-34--	I-3---7
.885-094 MVA-REACTOR OPERATOR	CHEM	-3P	4	M--4--	I---5--
.885-095 NEUTRALIZER	SOAP	-2P	3	L2-4--	I--4567
.885-102 NITRATOR OPERATOR	EXPLOSIVES P	-2P	3	M--4--	I-----7
.885-106 NITROGLYCERIN NEUTRALIZER	EXPLOSIVES	-3P	4	L-34-6	I---67
.885-110 PHOSPHORIC-ACID OPERATOR	CHEM	-2P	4	L2-4--	I-----7
.885-114 POLYMERIZATION HELPER	PLASTICS MAT	-3-	4	M2-4--	I---67
.885-118 POLYMERIZATION-OVEN OPERATOR	PLASTICS MAT	-2P	3	M--4--	I-----
.885-138 REFORMER OPERATOR	CHEM	-3P	4	L2-4--	B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-026 CAUSTICISER	PAPER / PULP	-3P	4	L2-4--	I-----
.782-050 CRACKING-UNIT OPERATOR	PLASTICS MAT	-3P	5	M-34--	I---6-
.782-082 OXIDATION OPERATOR	CHEM EXPLOSI	-2P	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 ABSORBER OUTSIDE HELPER	CHEM	-3P	4	L2-4--	O-----7
.885-014 ACID-PLANT HELPER	CHEM	-3P	4	L2-4--	B-----7
.885-018 ACID-POLYMERIZATION OPERATOR	CHEM	-3-	3	M--4--	I-----7
.885-022 ALKYLATION TOWER TENDER	CHEM PETROL	-3P	4	L2-4--	O-----
.885-026 BALL-MILL OPERATOR	COAL TAR PRO	-3P	3	L2-4--	I-----
.885-038 CAUSTIC OPERATOR	PAPER / PULP	-3P	4	L---6	I-3-5--
.885-042 CD-REACTOR OPERATOR	CHEM	-3P	4	M2-456	I-----
.885-046 CELL-TENDER HELPER	CHEM	-3P	4	L-34--	I-3---7
.885-050 CHAMBER WALKER	CHEM FERTILI	-3P	2	M--4-6	B-----
.885-054 CHEMICAL OPERATOR	CHEM	-3P	4	M--4--	I-----7
.885-058 CHEMICAL WORKER	AMMUNITION	-3P	3	L-34--	I--4-6-
.885-062 COLD-ACID-UNIT OUTSIDE HELPER	CHEM	-3P	4	L2-4--	O-----7
.885-142 SECOND OPERATOR AMMONIUM SULFA	CHEM	-3P	4	L2-4--	O-----7
.885-146 SECOND-CLASS OPERATOR	CHEM	-3P	4	L--4-6	B----67
.885-150 SOLVENT-REMOVAL OPERATOR	CHEM	-3P	4	L2-4--	B-----7
.885-154 TOWER HELPER	CHEM	-3P	3	M--4--	I-----
.884-010 CELL TESTER	CHEM	-3P	2	L--4--	I-3---7
.782-014 BLEACH CHLORINATOR	CHEM	-3P	5	M--4--	I-----7
.782-018 BURNER OPERATOR	CHEM	-3P	5	M--4--	I---5--
.782-022 CATALYTIC-CONVERTER OPERATOR	CHEM	H3P	5	L--4--	I-----
.782-030 CAUSTICISER	CHEM	-3P	5	M--4--	I-----7
.782-038 CELL TENDER	CHEM	-3P	5	L-34--	I-3---7

Processing of Chemicals and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

558. REACTING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-054 CUPROUS-CHLORIDE OPERATOR	CHEM	-3P	4	M--4-6	I-----
.782-058 DISSOLVER OPERATOR	CHEM	-3P	4	L--4-6	I-----
.782-066 FURNACE OPERATOR	CHEM	-3P	4	M--4--	I-----
.782-074 KETTLE OPERATOR	PLASTICS MAT	-3P	5	L--4--	I----6-
.782-078 KETTLE OPERATOR	CHEM	-3P	4	H-34--	I-----7
.782-090 SATURATOR OPERATOR	CHEM COKE PR	-3P	5	L--4-6	I---5--
.782-098 SODA-COLUMN OPERATOR	CHEM	-3P	4	L--4--	I-----7
.782-102 WET-MIX OPERATOR	CHEM	-3P	4	L--4-6	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-158 TWITCHELL OPERATOR	CHEM	-3P	3	L--4-6	I-----7
.782-042 CHLORINATOR OPERATOR	CHEM	-3P	5	L--4-6	I-----7
.782-062 FERMENTATION OPERATOR	CHEM	-3P	5	M--4--	I--4---

559. PROCESSING, CHEMICALS AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 AMPOULE SEALER	DRUG PREP	-2P	2	S--4-6	I-----
.887-014 BOOKER	RUBBER GOODS	-1-	1	L--4--	I-----
.887-018 CAKE WRAPPER	SYNTHETIC FI	-1-	2	M--4--	I-----
.887-022 CELL CLEANER	CHEM	-2P	2	H-34--	I--4---
.887-026 CONTACT-ACID-PLANT-OPERATOR HE	CHEM FERTILI	-2-	2	L--4--	B-----7
.887-030 COTTON WASHER	SYNTHETIC FI	-1-	1	H--4--	I-----7
.887-038 DOTTER	RUBBER GOODS	-1-	2	L--4--	I-----
.887-042 EGG PROCESSOR	DRUG PREP	-2P	2	S--4-6	I-----
.887-046 FILTER CLEANER	PLASTICS MAT	-1P	2	M-34--	I-----7
.887-050 FILTER WASHER	EXPLOSIVES	-1-	1	M--4--	I--4-6-
.887-054 FRAME STRIPPER	GLUE	-1-	1	M-34--	I-3----
.887-058 HOSE INFLATOR	RUBBER GOODS	-2-	2	M-34--	I----67
.887-062 HOSE LOADER	RUBBER GOODS	-1P	2	H-34--	I-----7
.887-066 HOSE STRIPPER	RUBBER GOODS	-1P	2	M--4--	I----6-
.887-078 ROD-AND-TUBE STRAIGHTENER	PLASTICS MAT	-2-	2	M-34--	I-34---
.887-086 SIPHON OPERATOR	DRUG PREP	-2-	2	L--4--	I-----
.887-094 SPIKER	TURP / ROSIN	-1P	1	L--4--	I-----
.887-098 TANK CLEANER	CHEM PIA	-2P	2	L--4--	I----67
.886-010 CATALYST-OPERATOR HELPER GASOL	CHEM PETROL	-2-	2	H--4--	I-----
.886-014 COMPOUND WORKER	PHONOGRAPH	-2P	1	M--4--	I-3-567
.886-018 DYNAMITE-PACKING-MACHINE FEEDER	EXPLOSIVES	-1-	2	M-34--	I----67
.886-022 HOSE-TUBING BACKER	RUBBER GOODS	-1-	2	L--4--	I-----
.886-030 LABORER VAT HOUSE	GLUE	-1-	2	H234--	I--4567
.886-034 OVEN UNLOADER	RUBBER GOODS	-2-	2	H--4--	I-3----
.886-038 PLANISHING-PRESS OPERATOR HELP	PLASTICS MAT	-1-	1	M--4--	I-----
.886-042 REROLL HAND	RUBBER GOODS	-1-	2	M--34-	I--4---
.886-046 SKIN-FORMER HELPER	RUBBER GOODS	-2P	2	L-34--	I-----
.886-050 SLABBER	SOAP	-2P	2	M-34--	I----67
.886-054 TESTING-MACHINE FEEDER	RUBBER GOODS	-2P	2	S--4--	I-----
.886-058 TIRE LAYER AND EXTRACTOR	RUBBER TIRE	-2P	3	H--4--	I-34---

559. PROCESSING, CHEMICALS AND RELATED PRODUCTS, N.E.C. (CONT.)

.886-062 TIRE-TRIMMING-MACHINE FEEDER	RUBBER TIRE	-1P	2	M-34--	I-----
.886-066 TOWER ATTENDANT	PAPER / PULP	-2P	2	H2-4-6	O----67
.885-030 AMPOULE FILLER	DRUG PREP	-2P	2	L--4--	I-----
.885-034 AMPOULE-WASHING-MACHINE OPERAT	DRUG PREP	-2P	2	L--4-6	I-----
.885-038 BEATER	PLASTICS MAT	-2P	2	L--4--	I-----
.885-058 COMPRESSOR OPERATOR	SALT PRODUCT	-2P	2	H--4--	I---5--
.885-074 DIGESTER OPERATOR	FERTILIZER	-3P	3	M-34--	I---5--
.885-078 DOPE-DRY-HOUSE OPERATOR	EXPLOSIVES	-2P	2	M-34--	I-----7
.885-082 DRIER FEEDER	RUBBER RECLA	-2P	2	M-34--	I--4---
.885-086 DRIER-AND-PULVERIZER TENDER	CHEM	-3P	2	H--4--	I-----7
.885-098 DUSTING-AND-BRUSHING-MACHINE O	RUBBER GOODS	-2P	2	M--4--	I----67
.885-106 ELECTRODE-CLEANING-MACHINE OPE	ELEC EQUIP	-2P	2	H--4--	O---5-7
.885-110 EXTRACTOR-PLANT OPERATOR	BONE CARBON	-3P	4	L--4-6	I-----
.885-114 FABRIC NORMALIZER	RUBBER GOODS	-3P	3	M-34--	I--4---
.885-122 FISH-FERTILIZER OPERATOR	FERTILIZER	-3P	4	M-34--	I--4---
.885-130 FOAM-MACHINE OPERATOR	FABRIC PLAST	-2P	2	M--4--	I-----7
.885-146 FRAME STRIPPER	SOAP	-2P	2	M--4--	I---67
.885-154 FUSE MAKER	FIREWORKS	-3P	3	M--4--	I-----
.885-190 LATEX SPOOLER	RUBBER GOODS	-3P	4	H-34--	I-----
.885-210 OPENER	RUBBER GOODS	-1P	2	L--4--	I-----
.885-230 PRESS TENDER	RUBBER GOODS	-2P	3	M--4--	I-34-6-
.885-238 REBRANDER	RUBBER GOODS	-2P	2	L--4--	I---6-
.885-250 ROLLER-MILL TENDER	DRUG PREP	-2-	2	M-34--	I-----
.885-254 RUBBER CUTTER	RUBBER GOODS	-2P	2	H--4--	I-----
.885-262 SCREENER-PERFUMER	SOAP	-2P	2	H--4--	I-----
.885-270 SPREADING-MACHINE OPERATOR	GLUE	-2P	2	L--4-6	I-----
.885-294 VAPORIZER	PLASTICS MAT	-2P	2	M--4--	I-----
.885-310 WASHER AND DRIER	PLASTICS MAT	-2P	3	M--4--	I-----
.885-322 WRAPPER REWINDER	RUBBER GOODS	-1P	2	H-34--	I---5--
.884-038 TANK CLEANER	PAINT / VARN	-2P	4	H234--	B--4567
.782-058 COMPOSITION-ROLL-MAKER AND CUT	RUBBER GOODS	-3P	4	M-34--	I-----
.782-150 STRETCH-MACHINE OPERATOR	FABRIC PLAST	-2P	4	H--4--	I-----
.780-010 PLATE CHANGER	PHONOGRAPH	-3P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-070 LABORER CHEMICAL PROCESSING	CHEM	-2-	2	H-34--	I---67
.887-082 SAMPLER	CHEM	-2-	3	L2-4--	B-----
.886-026 LABORER	DRUG PREP	-2-	2	H-34--	I-----
.885-042 BONE-PROCESS OPERATOR	BONE CARBON	-3P	4	L--4--	I-----
.885-290 VACUUM-PAN OPERATOR	SALT PRODUCT	-3P	3	M--4--	I-----
.782-194 SPONGE-PRESS OPERATOR	RUBBER GOODS	-3P	4	M234--	I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-090 SKEIN-WINDING OPERATOR	ANY IND	-2-	1	L--4--	I-----
.885-126 FLAKER OPERATOR	CHEM COAL TA	-3P	2	L--4--	I-----
.885-158 GLUE-MILL OPERATOR	GLUE	-3P	3	H-34--	I---5--
.885-186 LABORER GENERAL	PAINT / VARN	-2P	2	H--4--	I--4-6-
.782-074 RIPENING-ROOM ATTENDANT	PLASTICS MAT	-3P	5	L--4--	I-----7

Processing of Chemicals and Related Products

PHYS.D WK COND

HRP SVP 123456 1234567

559. PROCESSING, CHEMICALS AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-082 FINISHING-MILL OPERATOR	PLASTICS MAT -3P	5	L--4--	I----6-
.782-178 SHREDDING FLOOR EQUIPMENT OPER	PLASTICS MAT -3P	5	M--4--	I---5-7
.782-186 SODA-ROOM OPERATOR	MALT LIQUORS -3P	4	M234--	I--4--7
.487-010 TEMPERATURE-CONTROL INSPECTOR	SYNTHETIC FI -3-	4	L----6	-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-070 DESMA LASTER	RUBBER GOODS -2P	2	M--4--	I-3--6-
.885-174 HYDRATOR OPERATOR	CHEM LIME MI -3P	4	L2-4-6	I---5-7
.885-222 PRESS OPERATOR	RUBBER RECLA -2P	3	L2-4--	I--4-6-
.885-226 PRESSER	SOAP -2P	2	L--4-6	I-----
.885-282 TIRE RECAPPER	AUTO SER -2P	4	M--4--	I---5-7
.884-014 ISOFORM MIXER	AIRCRAFT MFG -2P	4	M--4--	I-----
.884-034 RUBBER MOLD MAKER	JEWELRY -2P	3	L--4-6	I-----
.687-010 AMPOULE EXAMINER	DRUG PREP -2-	3	S--4-6	I-----
.587-018 VARNISH INSPECTOR	PAINT / VARN -3-	3	L--4--	I-----
.384-018 RE-INSPECTOR, SPONGE RUBBER	RUBBER GOODS -3P	3	M--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-074 LABORER GENERAL	PLASTICS MAT -2P	2	M--4--	B-----7
.885-010 ACID BOTTLER	ELEC EQUIP -3P	2	M--4-6	I-----
.885-014 ACID PURIFIER	COAL TAR PRO -3P	2	L--4--	I-----
.885-018 ALKALI WORKER	SOAP -3P	3	M-34--	I-----7
.885-022 ALUMINUM-HYDROXIDE-PROCESS OPE	CHEM DRUG PR -3P	4	H234-6	I-----7
.885-026 AMMONIUM-NITRATE CRYSTALLIZER	EXPLOSIVES -3P	4	M--4--	I---6-
.885-050 BRIQUETTER OPERATOR	CHEM -3P	2	M--4--	I-----
.885-054 CD-STORAGE-AND-MATERIALS MAKE-	CHEM -3P	4	M--4--	I---5--
.885-062 CRYSTALLIZER OPERATOR	CHEM -3P	4	H2-4--	I-----7
.885-066 CYLINDER FILLER	COMP / LIQUE -3P	3	H-34--	I---67
.885-090 DRY-END OPERATOR	PLASTICS MAT -3P	3	L-34--	I-----
.885-094 DRY-HOUSE TENDER	AMMUNITION -3P	2	L--4--	I-34-6-
.885-102 EFFERVESCENT-SALTS COMPOUNDER	DRUG PREP -3P	3	H--4--	I-----
.885-118 FERMENTER OPERATOR	DRUG PREP -3P	3	L--4--	I-----7
.885-138 FORMULA WEIGHER	PEN / PENCIL -3P	4	M234--	I---6-
.885-142 FOURDRINIER OPERATOR	PLASTICS MAT -3P	4	L--4--	I-----
.885-162 GOLF-BALL-COVER TREATER	SPORTS EQUIP -3P	2	H--4-6	I-----7
.885-166 GRANULAR HELPER	BONE CARBON -3P	4	M2-4-6	I-----7
.885-170 GREASE-AND-TALLOW PUMPER	GREASE / TAL -2P	2	L--4--	B-----
.885-178 IMPREGNATOR OPERATOR	CHEM -3-	4	M--4--	I-----
.885-182 GUM MIXER	TEXTILE -3P	3	H--4--	I--4---
.885-194 LIME-KILN OPERATOR	PAPER / PULP -3P	4	L-----6	I-3-5--
.885-198 LINSEED-OIL-PRESS TENDER	OILS / FATSB -3P	2	M--4--	I-----
.885-202 MIXER	CLEAN / POLI -3P	4	M-34--	I-34--7
.885-214 POWDER-CUTTING OPERATOR	EXPLOSIVES -2P	2	L--4--	I---6-
.885-218 PRESS OPERATOR	COMP / LIQUE -2P	3	L--4--	I-----
.885-234 PRESSROOM WORKER FAT	GREASE / TAL -3P	2	L--4-6	I-----
.885-242 REFINING-MACHINE OPERATOR	OILS / FATS -2P	2	L--4--	I---6-
.885-258 RUBBER-GOODS HELPER	RUBBER GOODS -2P	2	M-34--	I-----
.885-266 SPLASH-LINE OPERATOR	LINOLEUM -3P	3	M--4--	I-----

559. PROCESSING, CHEMICALS AND RELATED PRODUCTS, N.E.C. (CONT.)

.885-278 TANKROOM TENDER	SYNTHETIC FI -2P	2	L--4--	I-----7
.885-298 WASH HELPER	BONE CARBON -3P	4	M-34-6	I-----7
.885-302 WASH-TANK TENDER	EXPLOSIVES -2P	3	L--4-6	I-----6-
.885-306 WASH-MILL OPERATOR	GLUE -2P	3	M234--	I--4567
.885-314 WET-END OPERATOR	PLASTICS MAT -3P	4	M-34--	I-----
.885-318 WET-END OPERATOR	PLASTICS MAT -3P	3	L--4-6	I-3--6-
.884-018 NITROGLYCERIN DISTRIBUTOR	EXPLOSIVES -3P	2	M--45-	B-----67
.884-022 PELLET-PREPARATION OPERATOR	ELECTRONICS -3P	2	L--456	I-----
.884-026 PILOT-CONTROL-OPERATOR HELPER	CHEM -2-	5	M2-4-6	B----67
.884-030 ROLL-TENSION TESTER	PLASTICS MAT -2P	3	M--4--	I-----
.782-010 ACID MAKER	PAPER / PULP -3P	4	M--4--	B----67
.782-022 ALUM-PLANT OPERATOR	CHEM -3P	4	L--4--	I-----7
.782-038 CATALYST OPERATOR GASOLINE	CHEM PETROL -3P	5	H2-4-6	I---5--
.782-042 CHEMICAL COMPOUNDER	COAL TAR PRO -3P	3	M--4--	I-----
.782-086 FLUSHER	COAL TAR PRO -3P	4	H--4--	I--4---
.782-090 GLUE MAKER BONE	GLUE -3P	5	M--4-6	I--4-67
.782-098 HYDROGEN OPERATOR	COMP / LIQUE -3P	4	M-34--	I-----
.782-122 LIQUEFACTION-PLANT OPERATOR	COMP / LIQUE -3P	4	L--45-	I---567
.782-126 MAKE-UP OPERATOR	CHEM -3P	5	M--4--	I-----7
.782-134 NAPHTHA-WASHING-SYSTEM OPERATO	PLASTICS MAT -3P	5	L2-4-6	B----6-
.782-138 NITROGEN OPERATOR	COMP / LIQUE -3P	4	M-34--	I-----
.782-146 PHARMACEUTICAL OPERATOR SENIOR	DRUG PREP -3P	4	M--4-6	I---5-7
.782-150 PHARMACEUTICAL OPERATOR SERVIC	DRUG PREP -3P	5	M--4--	I-----
.782-154 PILOT OPERATOR	PLASTICS MAT -3P	5	L--4-6	I-----
.782-162 PLANT OPERATOR FURNACE PROCESS	BONE CARBON -3P	4	L2-4--	I-----7
.782-172 ROLL TENDER	GLUE -3P	5	L--4--	I-----
.782-190 SPECIALTIES OPERATOR	CHEM -3P	4	L--4--	I-----7
.782-198 STERILE-PRODUCTS PROCESSOR	DRUG PREP -3P	5	H--4--	I-----
.782-210 STRONG-NITRIC OPERATOR	EXPLOSIVES -3P	4	L--4--	I-----
.782-222 TOWER OPERATOR	SOAP H3P	4	L--45-	I-----
.782-226 UTILITY OPERATOR	CHEM -3P	4	M--4--	I-----
.782-230 WASH OPERATOR	BONE CARBON -3P	5	L--456	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-286 VACUUM-MIXING-MACHINE OPERATOR PLASTICS MAT -2P 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-034 COTTON-WEIGHER OPERATOR	EXPLOSIVES -2-	2	M--4--	I-----
.884-010 GRAINING-ROLLER MAKER	FURN -3P	3	L--4--	I-----
.782-070 FILM-CASTING OPERATOR	PLASTICS MAT -3P	4	M2-4--	I-----
.782-174 RUBBER-MILL OPERATOR	PLASTICS MAT -3P	5	L2-4-6	I---6-
.687-014 GUM GRADER	TURP / ROSIN -3-	3	L--4-6	I-----
.687-022 TUBE SORTER	RUBBER RECLA -2-	2	L-34--	I--4---
.587-010 QUALITY-CONTROL TESTER	PLASTICS MAT -3-	3	L--4-6	I-----
.587-014 SLAB INSPECTOR	RUBBER RECLA -3-	3	M-34-6	I-----7

Processing of Chemicals and Related Products

PHYS.D WK COND
HRP SVP 123456 1234567

559. PROCESSING, CHEMICALS AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-134 FORMING-MACHINE OPERATOR	NEEDLE PIN	-3P	3	L--4-6	I-----
.885-150 FREEZING-MACHINE OPERATOR	DRUG PREP	-3P	3	L-34-6	I2-4-6-
.885-206 NOODLE-CATALYST MAKER	CHEM	-3P	2	M-34--	I-----
.885-246 RESTRICTIVE-PREPARATION OPERAT	ORDNANCE	-2P	3	M--4-6	I---5--
.782-034 CASTING-AND-CURING OPERATOR	CHEM	-3P	5	L--4-6	I----6-
.782-054 COAGULATION OPERATOR	PLASTICS MAT	-3P	5	L234-6	I--456-
.782-108 LACQUER MAKER	PAINT	-3P	5	M-34--	I-----7
.782-110 LANOLIN-PLANT OPERATOR	DRUG PREP	-3P	4	L--4--	I-----7
.782-118 LINSEED-OIL REFINER	OILS / FATS	-3P	4	M--4-6	I----6-
.782-170 PUTTY TINTER-MAKER	PAINT / VARN	-3P	5	M--4--	I-----7
.782-214 SULFIDE OPERATOR	CHEM	-3P	5	L2-4-6	B-----7
.782-218 SULFONATOR	TAN MAT / RE	-3P	5	L--4-6	I-----7
.687-018 TABLET TESTER	DRUG PREP	-3-	3	S--4--	I-----
.485-010 ADHESION TESTER	RUBBER GOODS	-3P	3	L--4-6	I----6-

**PROCESSING OF WOOD AND
WOOD PRODUCTS (560.-569.)**

Occupations in this area are concerned with producing wood conglomeration from wood stock, drying and seasoning wood, and treating wood with preservatives and fire retardants. Plywood, composition board, wood veneer, and utility poles are typical of the products manufactured or treated.

More than 60 percent of the occupations in this area demand only minimum cognitive capabilities. There are also substantial concentrations of occupations demanding moderate mathematics capabilities only or mathematics in combination with moderate language capabilities. Mathematics demands are involved in measuring and weighing ingredients according to product formulas, calculating the quantities of ingredients needed for a given batch size, measuring the moisture content of raw materials, computing the weight of moisture removed from a sample, and calculating the tensile strength of a bond using test apparatus. Language demands tend to center around the verbal communications and signaling necessary for the coordination of several workers in performing such tasks as the loading and positioning of logs. Some of the occupations also require the recording of operational data and the interpretation of product specifications. Perceptual processing demands are associated with inspection activities, sorting veneer to match grain and color characteristics, and the identification of different types of wood.

Psychomotor skills are demanded by over half of the occupations either for manual control of equipment or in tending computer-controlled equipment. Mechanical skills would be a definite asset to a few of the occupations in the installation and setup of knives on rollers, disassembly of machines for cleaning and lubrication, and the replacement of worn parts.

Automation is tending to increase productivity in this area without a commensurate increase in jobs. There are some entry opportunities as well as some opportunities for career advancement.

PHYS.D WK COND
HRP SVP 123456 1234567

560. MIXING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 COMPOUNDER CORK	CORK RROD	-2-	2	M-34--	I-----
.885-010 CHIP-MIXING-MACHINE OPERATOR	PARTICLE BOA	-3P	3	L--4--	I---5--
.885-014 MIXING-MACHINE TENDER	CORK PROD	-3P	3	M--4--	I-----

561. WOOD PRESERVING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 WOOD-POLE TREATER	WOOD PRESERV	-2P	1	H-34--	O-----
.886-010 LABORER WOOD PRESERVING PLANT	WOOD PRESERV	-2P	2	H234--	B--4-6-
.885-010 TANKER	WOOD PRESERV	-2P	3	M234--	B-----
.885-014 TREATING-ENGINEER HELPER	WOOD PRESERV	-2P	2	H-34--	O-----

Processing of Wood and Wood Products

PHYS.D WK COND
HRP SVP 123456 1234567

561. WOOD PRESERVING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-010 INCISING-MACHINE OPERATOR

WOOD PRESERV -2P 4 L-34-- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-014 TREATING ENGINEER

WOOD PRESERV -3P 5 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-010 POLE INSPECTOR

WOOD PRESERV -3- 3 L234-- O-----

562. SATURATING AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COATER HAND

CORK PROD -2- 2 L-34-- I-----

.887-014 DYER

SHAPED WOOD -2- 2 M--4-- I-3---7

.886-010 STEAM-TUNNEL FEEDER

SAWMILL -1- 1 M----- I-34---

.885-014 GLUE-SIZE-MACHINE OPERATOR

FURN -2P 2 M--4-- I-----

.885-022 LOG COOKER

BASKETRY WOO -2P 2 H-34-- O--4---

.885-026 STEAM-BOX OPERATOR

WOODWORKING -2P 2 M-34-- I---5---

.687-010 WICKER SORTER

FURN -2- 2 M----- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 IMPREGNATOR

PEN / PENCIL -3P 2 H--4-- I-----

.782-010 WHITING-MACHINE OPERATOR

MIRROR / PIC -3P 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 BLEACHER

BROOM -2- 2 M--4-6 I-----

563. DRYING, SEASONING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ANTICHECKING-IRON WORKER

WOOD PRESERV -1P 2 L-34-- O-----

.885-010 CLOTHESPIN-DRIER OPERATOR

SHAPED WOOD -1P 2 M-34-- I-----

.885-026 HOT-PLATE-PLYWOOD-PRESS OPERAT

VENEER / PLY H2P 4 H--4-- I-3----

.885-030 HYDRAULIC-PRESS OPERATOR

VENEER / PLY -2P 3 H--4-- I-----

.885-034 VENEER DRIER

VENEER / PLY -2P 2 L-34-- I-3----

.885-038 VENEER REDUCLER

VENEER / PLY -2P 3 M-34-- I-3----

.687-010 MOISTURE TESTER

WOODWORKING -1- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 GLUING-MACHINE OPERATOR

WOODWORKING -2P 4 H-34-- I----67

.885-022 GLUING-MACHINE OPERATOR ELECTR

WOODWORKING -2P 4 H234-6 I----67

563. DRYING, SEASONING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-010 DRIER OPERATOR

PARTICLE BOA -3P 5 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-014 DRY-HOUSE ATTENDANT

WOODWORKING -2- 3 M--4-- I-----

569. PROCESSING, WOOD AND WOOD PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BREAK-OFF WORKER
.887-014 CAUL-BOARD CLEANER
.887-016 CHOPPER
.887-022 EJECTOR
.887-026 LOG WASHER
.887-030 SCREEN CLEANER
.887-034 WOOD HACKER
.886-010 CORK-PRESSING-MACHINE OPERATOR
.886-014 LABORER HOT-PLATE VENEER PRESS
.886-018 PAD-MACHINE FEEDER
.885-010 BENDER
.885-014 BENDER MACHINE
.885-018 BREAKER-MACHINE OPERATOR
.885-026 EDGE GLUER
.885-030 GLUE SPREADER VENEER
.885-038 STACKER MACHINE
.885-042 VARNISHER
.885-046 VENEER TAPER
.883-010 KILN-TRANSFER OPERATOR
.687-010 PLUG SORTER

VENEER / PLY -1- 2 L--4-- I-----
VENEER / PLY -1- 2 L--4-- I-----
WOOD DIS -1P 1 H--4-- B---6-
CORK PROD -2P 1 L--4-- I-----
SAWMILL -1- 2 L--4-- O-----
WALLBOARD -1- 2 L-34-- I---5--
MATCH PAPER -2P 3 L--4-- I-----
CORK PROD -2- 2 L--4-- I-----
VENEER / PLY H3P 2 H--4-- I-3---7
EXCELSIOR -1- 2 L2-4-- I-----7
SPORTS EQUIP -2P 2 M--4-- I-34---
WOODWORKING -2P 3 M--4-- I-3---
CORK PROD -2P 4 L2-4-- I---567
VENEER / PLY -2P 4 L--4-- I-----
VENEER / PLY -2P 3 M--4-- I-----
WOODWORKING -1P 2 L--4-- I---6-
SMOKING PIPE -1- 2 L--4-- I-----
VENEER / PLY -2P 4 L--4-- I-----
WOODWORKING -2P 3 M--4-6 B-----
SAWMILL WOOD -1- 1 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-022 CORK MOLDER
.885-034 PRESTO-LOG OPERATOR

CORK PROD H2P 3 H-34-- I-3--6-
FUEL BRIQUET -2P 4 L--4-- I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 DISTRESSER
.687-014 ROSIN INSPECTOR
.687-018 SORTER

FURN -1P 1 L--4-- I-----
WOOD DISTIL -2- 3 L--4-6 I-----
CORK PROD -1- 2 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-022 TREATING INSPECTOR
.687-026 VISUAL-AND-GAGE INSPECTOR

WOOD PRESERV -3- 3 L--4-- O-----
CORK PROD -2- 3 L--4-6 I-----

**PROCESSING OF NONMETALLIC
MINERALS (570.-579.)**

Occupations in this area are concerned with preparing shapes, parts, and other products from such nonmetallic raw materials as stone, glass, clay, asbestos, sand, abrasive materials, and fiberglass. Manufacturing is generally carried out with the raw materials in a plastic or moldable state.

All eight combinations of cognitive capabilities are demanded by occupations in this area, but more than half of the occupations demand only minimum cognitive capabilities. There are also substantial concentrations of occupations which demand moderate mathematics only; perceptual processing only; or a combination of mathematics, perceptual processing, and language. Mathematics demands are involved in the weighing of ingredients; making weight/volume conversions, and weight/lineal conversions; and computing proportions. Perceptual processing demands are associated with feeling mixtures to determine that they meet texture and dampness specifications, observation of shells to indicate when a casting is firm enough to remove from a mold, and inspecting lenses for defects with the aid of a shadowgraph instrument. Language demands are most commonly associated with communication necessary to carry out the instructions of supervisory personnel, coordinate with other team members, and notify maintenance personnel of equipment malfunctions. Some occupations also require the interpretation of product specifications and the maintenance of operational logs.

Most of the occupations in this area require psychomotor skill either for the operation of equipment or the tending of computer-controlled equipment. Mechanical capabilities can be an asset for disassembly and cleaning of machinery, detection of equipment malfunctions, replacement of worn parts, and the setup and adjustment of equipment.

As in all processing areas, automation and other new technology are holding down the increase in jobs. There are, however, both a considerable number and variety of entry opportunities as well as limited progression opportunities for higher technical and supervisory responsibilities.

PHYS.D WK COND
HRP SVP 123456 1234567

570. CRUSHING, GRINDING, AND MIXING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 ABRASIVE-GRADER HELPER	OPTICAL GOOD -2-	2 M-34-- I-----7
.886-014 ABRASIVE-MIXER HELPER	ABRASIVE / P -2-	2 M--4-- I-----
.886-018 PREPARATION-ROOM WORKER	ASBESTOS PRO -2-	2 V-34-- I-----7
.886-022 SKIP TENDER CONCRETE MIXING OR	CONST -1P	2 M--4-- O---5-7
.885-014 AUXILIARY-EQUIPMENT TENDER	CEMENT -2P	3 M-34-- I---567
.885-018 CLAY MIXER	BRICK / TILE -2P	2 L--4-- I-----
.885-022 CONCRETE-MIXER OPERATOR	CONC PROD CO -3P	4 M--4-- I---5-7
.885-026 CRUSHER OPERATOR	WALLBOARD -2P	2 H2-4-- I---567
.885-030 CULLET CRUSHER-AND-WASHER	GLASS MFG -2P	4 L--4-- B--4---
.885-034 DRY-PAN OPERATOR	BRICK / TILE -3P	4 M234-- I---567

570. CRUSHING, GRINDING, AND MIXING (CONT.)

.885-038 GLAZE MAKER	BRICK / TILE -2P	4	H--4-6	I-----
.885-042 HAMMER-MILL OPERATOR	ROOF MATERIA -2P	3	L--4--	I-----
.885-050 MILLER	CEMENT -3P	3	M--4--	I---5-7
.885-054 MILLER	FERTILIZER -2P	2	L--45-	I---5-7
.885-058 MILLER	MINERALS / E -3P	2	L--4-6	I---67
.885-066 MIXER	ASBESTOS PRO -2P	2	H-34--	I--4--7
.885-070 MIXER TENDER, BOARD	WALLBOARD -3P	4	L--4--	I-----
.885-078 HOLDING-MACHINE TENDER	PEN / PENCIL -2P	2	M--4--	I---5--
.885-082 MUD-MIXER OPERATOR	COKE PROD OR -2P	2	H-34--	I--4---
.885-086 PUG-MILL-OPERATOR HELPER	BRICK / TILE -3P	2	V--4--	I--4---
.885-098 SAGGER PREPARER	POTTERY / PO -2P	3	M--4--	I-----
.885-102 SILICA-SPRAY MIXER	ORE DRESS SM -3P	3	M-34--	I---56-
.885-106 SLATE MIXER	ROOF MATERIA -2P	2	L--4--	I-----
.884-010 MIXER DIAMOND POWDER	ABRASIVE / P -3-	4	L--4--	I-----
.782-022 CLAY MAKER	BRICK / TILE -3P	5	H--4--	I--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 BATCH MIXER	BRICK / TILE -2-	2	H--4--	I---5-7
.885-046 LIME SLAKER	LIME -3P	4	H--4--	O---5--
.885-062 MIXER	GLASS MFG -3P	3	L--4--	B-----
.885-074 MIXER OPERATOR	LIME -2P	2	L--4--	I-----
.885-094 ROUGE MIXER	OPTICAL GOOD -2P	2	M--4--	I---7
.782-018 CENTRAL-BATCH-PLANT OPERATOR	CONC PROD CO -3P	5	L--4--	I-----
.782-030 PLASTER MIXER, MACHINE	WALLBOARD -3P	5	V2-4--	I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-090 REFRACTORY MIXER	IRON / STEEL -3P	3	H--4--	I---5--
.883-014 SAND-CUTTER OPERATOR	FOUND -3P	4	L--4--	I---5-7
.782-010 ABRASIVE GRADER	OPTICAL GOOD -3P	4	M-34--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-010 DRY-PAN CHARGER	BRICK / TILE -3P	5	M2-4-6	O---5-7
.782-014 BULK-STATION OPERATOR	PETROL PRODU -3P	5	H234--	B----67
.782-026 MILL OPERATOR	BRICK / TILE -3P	5	M--4--	I---5-7
.782-034 SUPPLY CONTROLLER	WALLBOARD -3P	4	H2-4--	I---67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-010 ABRASIVE MIXER	ABRASIVE / P -3P	4	H--4--	I-----
-------------------------	------------------	---	--------	--------

571. SEPARATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 BURNER TENDER	MINERALS / E -2P	2	L--4--	I---567
.885-014 CONCENTRATOR OPERATOR	ABRASIVE / P -2P	2	L--4--	I-----
.884-010 RIFTER	MINERALS / E -2P	3	L--1-6	I---67

571. SEPARATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 GLAZE HANDLER

BRICK / TILE -2P 4 M--4-- I-----

572. MELTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-018 GLAZING-MACHINE OPERATOR

GLASS MFG -2P 2 L--4-- I-3----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 CUPOLA CHARGER INSULATION

WALLBOARD -2- 2 V-34-- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 FURNACE TECHNICIAN

GLASS MFG -3P 3 L--456 I-3-5--

.885-014 GLASS-FURNACE TENDER

PAINT / VARN -2P 2 H-34-- I-----

.782-014 TANK-AND-BATCH OPERATOR

GLASS MFG -3P 5 L--4-6 I-----

573. BAKING, DRYING, AND HEAT TREATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018 FIRER HELPER, PERIODIC KILN

POTTERY / PO -2P 2 M-34-- I-3----

.887-022 KILN CLEANER

LIME -1- 2 M-34-6 I----67

.887-026 KILN DRAWER

POTTERY / PO -2P 3 M2-4-- I-----

.887-030 KILN WORKER

POTTERY / PO -1- 2 V234-- I-----7

.887-034 KILN-BURNER HELPER

BRICK / TILE -3P 3 M--4-- B-3--6-

.886-010 FUSING-FURNACE LOADER

OPTICAL GOOD -2- 2 L--4-- I-----

.886-014 GLASS-VIAL-BENDING-CONVEYOR FE

CUT TOOLS -2P 2 L-34-- I-3----

.886-018 HACKER

BRICK / TILE -1- 2 V-34-- I-----

.885-014 CYLINDER TENDER

BRICK / TILE -2P 3 L--4-- I-----

.885-018 DRYING-MACHINE OPERATOR

POTTERY / PO -1P 4 L--4-- I-----

.885-022 KILN-OPERATOR HELPER

LIME -2- 2 M234-- B-3--6-

.885-050 CLAY ROASTER WEDGE-FURNACE KIL

PETROL REFIN -2P 4 M--4-- I-----

.782-034 FIRER TUNNEL KILN

POTTERY / PO -3P 5 M--4-6 I-3----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-042 LIME-KILN OPERATOR

LIME -3P 5 L--4-6 I-3-5--

.782-046 ROTARY-KILN OPERATOR

CEMENT CHEM -3P 4 L-3456 B-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 CLAY ROASTER

PETROL REFIN -3P 4 M--4-- I-----

.884-010 BAKER BEADS

ELECTRONICS -2- 3 M--4-- I-----

573. BAKING, DRYING, AND HEAT TREATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 BEDDER	POTTERY / PO -2P 3	M--4-- I-----
.887-014 DRY-KILN OPERATOR HELPER	BRICK / TILE -2P 3	M--4-6 I--4---
.887-038 SETTER HELPER	BRICK / TILE -2- 2	H-34-- B-3--6-
.886-022 KILN PLACER	POTTERY / PO -2- 2	M2-4-- I-----
.884-014 KILN-DOOR BUILDER	BRICK / TILE -2P 3	M234-6 O-3--6-
.687-010 SORTER	BRICK / TILE -2- 2	H234-6 B-----
.687-014 TILE SORTER	BRICK / TILE -2- 4	M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-026 ANNEALER	GLASS PROD -3P 3	L-34-6 I-J----
.885-034 LEHR TENDER	GLASS MFG -3P 3	M--4-- I-----
.885-046 REGENERATOR OPERATOR	SUGAR -3P 4	L2-4-- --3--67
.884-018 SETTER	BRICK / TILE -3P 4	H234-- I-3--67
.782-014 DRY-KILN OPEERATOR	BRICK / TILE -3- 5	M--4-6 I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030 LEHR TENDER	GLASS MFG -3P 3	L--4-- I-J----
.885-038 LENS HARDENER	OPTICAL GOOD -3- 2	L--4-- I-----
.885-042 OVEN TENDER	GLASS MFG -3- 2	L--4-6 I-----

574. IMPREGNATING, COATING, AND GLAZING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DUST BOX WORKER	ROOF MATERIA -2P 2	L234-6 I-3-5-7
.887-014 SILVERER HELPER	MIRROR -1- 2	M--4-- I-----
.885-010 DYED-YARN OPERATOR	GLASS MFG. -2P 2	L--4-- I-----
.885-014 FIBERGLASS-BONDING-MACHINE TEN	GLASS MFG -3P 2	L--4-- I--5--
.885-018 GASKET-COATER-AND-DRIER OPERAT	PIPE / BOILE -1P 3	L--4-- I-----
.885-022 MICA COATER	MINERALS / E -2- 2	L--4-- I----67
.885-034 WAX-MACHINE OPERATOR	GLASS MFG -2P 3	L--4-- I-----
.884-010 GROUND LAYER	POTTERY / PO -1P 4	S--4-6 I-----
.782-010 ABRASIVE-COATING-MACHINE OPERA	ABRASIVE / P -3P 4	L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-014 AUSTSCHUDER-MACHINE OPERATOR	GLASS PROD -3P 4	M--4-- I-----
.782-018 SET UP MAN BAKING-AND-COATING	ELECTRONICS -3P 4	M--456 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010 SPRAY-MACHINE LOADER	POTTERY / PO -2- 2	S--4-- I-----
.885-026 PAPERHANGER	WALLBOARD -3P 4	L2-4-- I-----
.885-030 TOP-CAP-PROCESSING-EQUIPMENT O	ELECTRONICS -2P 2	L--4-- I--4---
.884-018 SILVERER	MIRROR -2P 3	M--4-6 I-----

574. IMPREGNATING, COATING, AND GLAZING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 OPTICAL-GLASS SILVERER OPTICAL GOOD -3P 4 L--4-- I-----

575. FORMING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 FORMING-MACHINE-UPKEEP-MECHANI GLASS MFG -2P 3 M--4-- I-3-5--
 .887-022 MOLDER BENCH PIPE / BOILE -1- 3 M--4-- I-----
 .887-026 PIPE STRIPPER CONC PROD -1- 2 V-34-- I---5-7
 .886-010 DRY-PRESS-OPERATOR HELPER BRICK / TILE -2- 2 M--4-- I---5-7
 .886-014 MOLDER HELPER OPTICAL GOOD -1- 2 M--4-- I-3----
 .886-018 PIN MAKER POTTERY / PO -1- 2 L--4-- I-----
 .885-014 BLOCK-MAKING-MACHINE OPERATOR CONC PROD -2P 3 M--4-6 I---5--
 .885-022 CHALK-EXTRUDING-MACHINE OPERAT PEN / PENCIL -2P 3 L--4-- I-----
 .885-034 DIE PRESSER POTTERY / PO -2P 3 L--4-- I-----
 .885-038 FIBER-MACHINE TENDER GLASS MFG -3P 3 L--4-- I--4-6-
 .885-042 FLOWER-POT-PRESS OPERATOR POTTERY / PO -2P 2 L--4-- I-----
 .885-046 GLASS BENDER GLASS MFG -1P 3 L--4-- I-3----
 .885-050 HOT-PRESS OPERATOR ABRASIVE / P -2P 3 M--4-- I-----
 .885-054 HYDRAULIC-BILLET MAKER PEN / PENCIL -1P 3 L--4-- I-----
 .885-058 LEAD FORMER PEN / PENCIL -2P 2 L--4-- I-----
 .885-066 DIE TRIPPER BRICK / TILE -1P 2 M--4-- I-----
 .885-070 MARBLE-MACHINE OPERATOR GLASS MFG -2P 3 L--4-- I-----
 .885-074 MOLDER FIBER GLASS LUGGAGE LEATHER PROD -2P 2 L--4-6 I-3-5-7
 .885-078 LINING-MACHINE OPERATOR CONC PROD -2P 2 L--4-- O---5--
 .885-082 PRESS OPERATOR MINERALS / E -2P 3 L--4-- I---67
 .885-086 PRESSER GLASS MFG -2P 4 L--4-- I-3-56-
 .885-090 PUNCH-PRESS OPERATOR GLASS MFG -2P 3 L--4-- I-----
 .885-094 SHOT-COAT TENDER CONC PROD -2P 2 L--4-- I-----
 .885-098 SLIVER-FORMING-AND-WINDING OPE GLASS MFG. -3P 3 L-34-6 I--456-
 .885-106 SYNTHETIC-GEM-PRESS OPERATOR JEWELRY -2P 2 L--4-- I-----
 .885-110 TEST-SKEIN WINDER GLASS MFG -2P 3 L--4-- I--456-
 .885-114 TURN-OUT HELPER GLASS MFG -2P 4 L2-4-- I-3----
 .884-010 BATTER-OUT POTTERY / PO -2P 5 M--4-- U--45--
 .884-022 CROSS CUTTER ROLLED GLASS GLASS MFG -2P 2 L--4-6 I-----
 .884-026 GATHERER GLASS MFG -2P 5 L--4-- I-3----
 .884-030 HANDLE MAKER POTTERY / PO -2P 4 M--4-- I-34--
 .883-010 BUCKET OPERATOR CONC PROD -2P 3 L--4-- O---5--
 .782-038 MOLDING-MACHINE OPERATOR SPORTS EQUIP -2P 4 M--4-- I-----
 .782-054 RETORT-OR-CONDENSER PRESS OPER BRICK / TILE -3P 4 H--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-026 CHALK-MOLDING-MACHINE OPERATOR PEN / PENCIL -2P 3 L--4-- I-----
 .885-102 WET MACHINE TENDER ASBESTOS PRO -2P 3 L--4-- I--4--

575. FORMING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 PLATFORM WORKER	GLASS MFG	-2P	2	L--456	I-3----
.887-018 LABORER PRESTRESSED CONCRETE	CONC PROD	-3P	2	H-34--	O---5--
.885-030 CONCRETE-PIPE-MAKING-MACHINE O	CONC PROD	-2P	2	M--4--	I---5-7
.885-062 LENS MOLDER	OPTICAL GOOD	-2P	2	L--4--	I-----
.884-014 CASTER	POTTERY / PO	-3P	5	M--4-6	I--4---
.884-018 CASTER	STAT / ART G	-3P	2	H--4---	I--4---
.884-038 MOLD-MAKER TERRA COTTA	BRICK / TILE	-2P	3	M--4--	I-----
.884-042 MOLDER HAND	BRICK / TILE	-3P	5	V-34--	I-3---7
.884-050 CENTRIFUGAL SPINNER	CONC PROD	-2P	2	M-34--	O----6-
.782-022 DRY-PRESS OPERATOR	BRICK / TILE	-3P	5	M-34--	I---5-7
.782-046 PRESS OPERATOR	BRICK / TILE	-3P	4	M--4--	I---5-7
.782-050 RAM-PRESS OPERATOR	POTTERY / PO	-3P	5	H-34-6	I--4---
.687-018 PRESS PIPE INSPECTOR	BRICK / TILE	-2-	2	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-034 LENS MOLDER	GLASS MFG	-2P	4	L--4--	I-3----
.782-018 DRAWING-KILN OPERATOR	GLASS MFG	-3P	4	L--456	I-----
.782-058 YARDAGE CONTROL OPERATOR, FORM	GLASS MFG	-3P	5	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-054 TERRAZZO-TILE MAKER	BRICK / TILE	-3P	3	M--4-6	I--4---
.781-014 FOOT CASTER	GLASS MFG	-3P	5	S--4-6	I-3----
.687-014 MAT INSPECTOR	WALLBOARD	-3P	3	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-010 ABRASIVE-WHEEL MOLDER	ABRASIVE / P	-3P	4	H--4--	I-----
.687-010 END FINDER FORMING DEPARTMENT	GLASS MFG	-2P	2	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-018 BOTTLE-MACHINE OPERATOR	GLASS MFG	-3P	4	L--4--	I-3-5--
.884-046 SANITARY-TUB MAKER	CONC PROD	-3P	4	V-34--	I---5-7
.782-014 BRICK-AND-TILE-MAKING-MACHINE	BRICK / TILE	-3P	5	M2-4--	I-----
.782-026 FIBER-GLASS-DOWEL-DRAWING-MACH	FABRIC PLAST	-3P	4	L--4-6	I-----7

579. PROCESSING, NONMETALLIC MINERALS AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 FLOOR WORKER	GLASS MFG	-2-	2	M-34--	I-3-5--
.887-018 WINDOW-GLASS CUTTER-OFF	GLASS MFG	-2P	2	H--4--	I-----
.887-022 LABORER BATCHING PLANT	CONST	-1-	2	H--4--	O-----
.887-026 LABORER GENERAL	BRICK / TILE	-3P	1	V-34--	B-----7
.887-030 MICA SIZER	MINERALS / E	-1-	2	S--4-6	I---67

Processing of Nonmetallic Minerals

PHYS.D WK COND
HRP SVP 123456 1234567
579. PROCESSING, NONMETALLIC MINERALS AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 LABORER CONCRETE PLANT
.886-018 MIRROR-MACHINE FEEDER
.886-022 OFF BEARER SEWER PIPE
.885-022 FLOOR WINDER
.885-030 GLASS-CLEANING-MACHINE TENDER
.885-034 GLASS-WOOL-BLANKET-MACHINE FEE
.885-038 INSULATION-MACHINE OPERATOR
.885-042 LABORER CONCRETE-MIXING PLANT
.885-050 MOLD POLISHER
.885-058 PACKER INSULATION
.885-062 PUMPMAN
.885-066 ROUGE SIFTER AND MILLER
.885-070 SANDPAPER WINDER
.885-078 VIBRATOR
.885-082 WIRE SETTER

CONC PROD -3P 1 V-34-- B--456-
MIRROR -1- 2 H--4-- I-----
BRICK / TILE -2P 2 H-34-- I-----
GLASS MFG -2P 4 L--4-- I-----
GLASS PROD -2P 4 L--4-- I-----
GLASS PROD -2P 4 L--4-- I-----
PIPE / BOILE -1P 3 M--4-- I-----
CONST -2P 2 H234-- O--5--
GLASS MFG -2P 3 M-34-- I-----
WALLBOARD -1P 2 L--4-- I---5--
CEMENT -2P 3 M--4-- I-----7
OPTICAL GOOD -1P 2 L--4-- I-----
ABRASIVE / P -1P 2 L--4-- I-----
POTTERY / PO -1P 2 L--4-6 I-----
GLASS MFG -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-014 MAT PACKER
.782-022 MAT-MACHINE OPERATOR

WALLBOARD -3P 2 M--4-- I---5--
WALLBOARD H3P 4 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 BRAKE-LINING-FINISHER HELPER A
.885-010 BRAKE-LINING FINISHER ASBESTOS
.885-074 SILVER STRIPPER MACHINE
.884-022 KILN-FURNITURE CASTER

ASBESTOS PRO -2P 2 H--4-- I-----7
ASBESTOS PRO -3P 3 H--4-- I-----7
MIRROR -2P 2 M--4-- I-----
POTTERY / PO -3P 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-054 NODULIZER
.884-014 CONCRETE-Vault MAKER
.687-010 GLASS INSPECTOR
.687-018 MICA PATCHER

CEMENT -3P 3 L--4-- I-3--67
CONC PROD MO -2P 4 V--4-- I--4--
ANY IND -2- 2 M--4-6 I---6-
MINERALS / E -1P 2 L--4-6 I---67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-018 KNIFE OPERATOR
.782-026 MIXER WET-POUR
.585-010 SAMPLER-TESTER
.387-014 MAT TESTER

WALLBOARD -3P 5 L--4-- I-----
CONC PROD -3P 4 V234-- I---567
ASBESTOS PRO -2- 2 L-34-- I-----
WALLBOARD -3- 3 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-010 CALCINER GYPSUM

WALLBOARD -3P 5 L234-- I-3-567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-018 DRIER-AND-GRINDER TENDER
.885-046 MICA-PLATE LAYER
.884-010 CLAY-STRUCTURE BUILDER AND SER

MINERALS / E -2P 4 L--4-- I---567
MINERALS / E -3P 2 M--4-- I---67
GLASS MFG -3P 4 H-34-6 I-3--6-

579. PROCESSING, NONMETALLIC MINERALS AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-026 FRIT-MIXER-AND-BURNER	BRICK / TILE -3P	4	H--4-6	I-3-567
.884-018 FIBER-GLASS-CONTAINER-WINDING	GLASS PROD -3P	4	M--4--	I-----
.782-030 SAND MIXER MACHINE	FOUND -2-	4	M--4--	I-----
.687-014 MICA CLASSIFIER	MINERALS / E -3-	4	S--4-6	I----67
.687-022 SELECTOR	GLASS MFG -2-	2	L-34-6	I-----
.684-010 INSPECTOR	CONC PROD -3-	4	M--4-6	I-----
.684-014 MICA TRIMMER	MINERALS / E -3P	4	S--4-6	I----67
.387-010 FLOOR INSPECTOR	GLASS MFG -3-	5	L--4-6	I-----
.387-018 QUALITY-CONTROL INSPECTOR	GLASS MFG -3-	3	M--4-6	I-----
.387-022 QUALITY-CONTROL TECHNICIAN	GLASS MFG -3-	4	L--4-6	I-----
.384-010 BRICK TESTER	BRICK / TILE -3P	5	M--4-6	B-----
.384-014 PRODUCT TESTER FIBER GLASS	GLASS MFG WA -3-	5	M--4-6	I---5--
.384-018 QUALITY TECHNICIAN	GLASS MFG H3-	4	L--4-6	I-----
.384-022 WARE TESTER	GLASS MFG -3-	5	L--4-6	I-----

PROCESSING OF TEXTILES AND LEATHER (580.-589.)

Occupations in this area are concerned with treating textiles, leather, and textile products to impart characteristics such as body weight, pliability, texture, size, finish, and water resistance. These occupations are also concerned with shaping, blocking, stretching, shrinking, embossing, cutting, and similar operations as a stage in the manufacture of finished goods such as clothing. There are 390 occupations listed in this handbook from this area.

All eight combinations of cognitive demands are represented. More than 70 percent of the occupations make only minimum cognitive demands. But, there are also substantial concentrations of occupations that demand moderate language only, perceptual processing only, and combined language and mathematics. Language demands involve verbal communications, reading work orders, and entering process and production information on forms. Perceptual processing demands are associated with activities such as feeling material to assure that a specified texture has been attained, inspecting rolls or folded cuts of cloth for color shade variations, and observing material as it passes through a machine to prevent rolled selvages from damaging embossing rollers. Mathematics demands are associated with activities such as measuring quantities of liquids and dry chemicals, or measuring temperature of critical machine parts.

Psychomotor skills are required for about three-fourths of the occupations for manual control of machines or the tending of computer-controlled equipment. Fast response is frequently required to prevent loss of material or equipment damage in the event of jamming or the presence of foreign objects. Knowledge of handling caustic solutions is required for a number of occupations. Mechanical capabilities can be an asset for some occupations in support of machine setup and minor maintenance.

Leather and textile operations are undergoing a major trend toward automation. There are limited entry opportunities and career progression opportunities, especially in support of highly automated operations.

PHYS.D WK COND
HRP SVP 123456 1234567

580. SHAPING, BLOCKING, STRETCHING, AND TENTERING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ORIENTAL-RUG STRETCHER	ANY IND	-2-	2	M-34--	I-----
.885-018 CLOTH DRIER	KNIT GOODS	-2P	2	M--4--	I-----
.885-022 COLLAR-TURNER OPERATOR	GARMENT	-1P	2	L--4-6	I-----
.885-030 GAUZE-PAD-MACHINE OPERATOR	SURGICAL APP	-1P	2	L--4--	I-----
.885-034 HAT-BLOCKING-MACHINE OPERATOR	HAT / CAP	-2P	4	L--4--	I--45--
.885-038 HAT-BLOCKING-MACHINE OPERATOR	HAT / CAP	-2P	2	M--4--	I-----
.885-050 MOLDER	HAT / CAP	-1P	4	L--4--	I-----
.885-054 PRE-PLEATER	HOUSE FURN	-2P	3	L--4--	I-----
.885-058 ROLLER OPERATOR	HAT / CAP	-1P	2	L--4--	I-----
.885-066 STRETCHER	HAT / CAP	-1P	2	M--4--	I-----

580. SHAPING, BLOCKING, STRETCHING, AND TENTERING (CONT.)

.885-070 STRETCHING-MACHINE OPERATOR	CORD / TWINE	-2P	3	M-34--	I-----
.885-074 TENTER-FRAME OPERATOR	KNIT GOODS T	-2P	2	L--4--	I-----
.885-078 TIP STRETCHER	HAT / CAP	-2P	2	L--4--	I--45--
.885-082 YARN-TEXTURING-MACHINE OPERATO	TEXTILE	-2P	3	L-34-6	I---5--
.884-010 BLOCKER HAND	HAT / CAP	-2P	2	L--4-6	I-34---
.884-014 BLOCKER HAND	HAT / CAP	-2P	3	L--4-6	I-34---
.782-014 WEFT STRAIGHTENER	TEXTILE	-2P	4	S--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BRIM-STRETCHING-MACHINE OPERAT	HAT / CAP	-2P	3	L--4--	I---5--
.885-014 CALENDERING-MACHINE OPERATOR	KNIT GOODS	-3P	3	H--4-6	I--4---
.885-026 COTTON-BALL-MACHINE TENDER	SURGICAL APP	-2P	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-042 HOOKING-MACHINE OPERATOR	TEXTILE	-2P	3	M--4--	I-----
-----------------------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-062 SKEIN-YARN DYER	KNIT GOODS T	-2P	3	M--4-6	I-----
--------------------------	--------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-046 HYDRAULIC BLOCKER	HAT / CAP	-2P	4	L--4-6	I-----
----------------------------	-----------	-----	---	--------	--------

581. SEPARATING, FILTERING, AND DRYING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BURLAP SPREADER	TEX BAG	-1-	1	M--4--	I-----
.887-014 HEAT CURER	TEXTILE	-1-	2	L--4--	I-3----
.887-022 WHITE-DOWN-FEATHER SORTER	HOUSE FURN	-1-	1	L--4-6	I-----
.886-010 BLOWER FEEDER, DYED RAW STOCK	TEXTILE	-1-	2	H--4--	I-----
.886-014 DRIER	GARMENT	-1-	1	M--4--	I-----
.886-018 DRIER	HOSIERY KNIT	-1-	2	L-34--	I-----
.886-022 DRYING-OVEN ATTENDANT	HAT / CAP	-1-	1	M--4--	I--4--7
.886-026 DRYING-RACK CHANGER	BOOT / SHOE	-2P	2	L--4--	I-----
.886-030 DRYING-UNIT-FELTING-MACHINE-OP	FELT GOODS	-1-	1	H--4--	I-----
.886-034 DUST-MILL OPERATOR	HOUSE FURN	-1-	1	M--4--	I-----
.886-038 FEATHER-DRYING-MACHINE OPERATO	HOUSE FURN	-1-	1	M--4--	I-----7
.886-042 TRAY DRIER	HOSIERY	-2P	2	M--4--	I-----
.886-046 WET-COTTON FEEDER	TEXTILE	-1-	2	M-34--	I--4----
.885-010 CAKE WRINGER	SYNTHETIC FI	-1P	2	M--4--	I--4----
.885-018 CLOTH SANDER	TEXTILE	-2P	2	H-34--	I-----7
.885-022 DRIER OPERATOR	SYNTHETIC FI	-2-	3	H--4--	I-----
.885-026 DRIER-AND-REWINDER OPERATOR HE	FIBER RUGS	-2P	2	V-34--	I-----
.885-034 DRY-ROOM TENDER	ARTIF LEATHE	-2P	3	L2-4--	I-3----
.885-042 DRYING-UNIT-FELTING-MACHINE OP	FELT GOODS	-2P	4	L--4--	I-----

Processing of Textiles and Leather

 PHYS.D WK COND
 HRP SVP 123456 1234567

581. SEPARATING, FILTERING, AND DRYING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-046	EXTRACTOR OPERATOR	ANY IND	-2P	2	M--4--	I--45--
.885-050	EXTRACTOR OPERATOR	TEXTILE	-2P	2	M--4--	I-----
.885-058	RAW-STOCK-DRIER TENDER	TEXTILE	-2P	2	L-----	I--4---
.885-062	RUG-DRYING-MACHINE OPERATOR	CARPET RUG	-2P	3	L--4--	I-3----
.885-066	SKEIN-YARN DRIER	TEXTILE	-2P	2	M--4--	I-----
.885-070	TUMBLER TENDER	HOSIERY KNIT	-2-	2	M-34-6	I-----
.885-074	VACUUM-DRIER OPERATOR	FELT GOODS	-2-	4	M--4--	I--3---
.885-082	WINDING-RACK OPERATOR	ARTIF LEATHE	-2P	3	M-34-6	I-----
.885-086	WOOL OPENER AND DUSTER	TEXTILE	-1P	2	M-34--	I-----7
.885-094	WOOD-WRINGER TENDER	SLAUGHT / ME	-1-	2	M-34--	I--4---
.782-010	DRIER-AND-REWINDER OPERATOR	FIBER RUGS	-3P	5	V-34--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-038	DRYING-MACHINE OPERATOR PACKAG	TEXTILE	-3P	2	M-34-6	I-34---
----------	--------------------------------	---------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018	RAG SORTER AND CUTTER	WASTE / BATT	-1P	3	L-34-6	I-----7
.885-030	DRY-CANS OPERATOR	TEXTILE	-2P	2	M--4--	I-----
.885-054	FUR-BLOWER OPERATOR	HAT / CAP	-2P	4	L--4-6	I-----7
.885-078	WHIZZER	HAT / CAP	-1P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014	CARBONIZER	TEXTILE	-3P	3	M--4--	I-----
----------	------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-090	WOOL-DRIER TENDER	SLAUGHT / ME	-2P	2	M-34--	I-----
----------	-------------------	--------------	-----	---	--------	--------

582. WASHING, STEAMING, AND SATURATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	BAGGER	HOSIERY	-2-	2	L--4--	I-----
.887-018	HOSE BEATER	HOSIERY	-1-	1	L-34--	I--4---
.887-022	CHAINER	TEXTILE	-1-	1	V--4--	I--45--
.887-026	LABORER DYE HOUSE	KNIT GOODS	-1-	2	M-34--	I-345--
.887-034	PEG TIER, DYEING	TEXTILE	-2-	3	L--4-6	I-----
.887-038	SHAKER	HOSIERY	-1-	1	L--4--	I-----
.887-042	SIZER	TEXTILE	-2-	3	M-34--	I-----
.887-046	STARCHER HAND	GARMENT	-1-	2	L--4--	I-----
.887-054	TUBE SEWER	KNIT GOODS	-1P	2	L--4--	I-----
.887-058	YARN-CONDITIONING SPRAYER	TEXTILE	-1-	2	M--4--	I-----
.887-062	YARN-SOAKER HELPER	TEXTILE	-2-	2	M--4-6	I--45--
.886-014	BLEACHER HELPER	KNIT GOODS	-2-	1	M--4--	I--4---
.886-018	BOIL-OFF-POT-OPERATOR HELPER	TEXTILE	-1P	2	M-34--	I-3----
.886-022	DRUM-PRINTER HELPER	TEXTILE	-1-	2	M--4-6	I-----

582. WASHING, STEAMING, AND SATURATING (CONT.)

.886-026 DYE-HOUSE WORKER	FUR DRESSING -1-	1	H-34--	I--4---
.886-030 DYE-REEL-OPERATOR HELPER	KNIT GOODS	-2-	2	H-34--
.886-034 FIRST-BREAKER FEEDER	CORD / TWINE	-1-	2	M-34--
.886-038 RAW-STOCK-MACHINE LOADER	TEXTILE	-1P	2	H--4--
.886-042 SLASHER-TENDER HELPER	TEXTILE	-2P	2	H-34--
.886-046 STARCHER MACHINE	GARMENT	-1P	2	L--4--
.886-050 TOP-DYEING-MACHINE LOADER	FELT GOODS T	-2P	2	M-34--
.886-054 TUBE HANDLER	TEXTILE	-2P	1	L--4--
.886-058 WARP COILER	CARPET / RUG	-2-	2	M--4--
.886-062 YARN-WASHING-AND-BLEACHING-MAC	TEXTILE	-2P	2	M--4--
.885-018 BACK WASHER	TEXTILE	-2P	2	H--4--
.885-022 BEAM-DYER OPERATOR	TEXTILE	-2P	3	M-34--
.885-034 BOILER-OFF, SKEIN YARN	TEXTILE	-2P	2	L--4--
.885-070 CRAVETTING-MACHINE OPERATOR	LEATHER MFG	-2P	3	M--4--
.885-074 CYLINDER BATCHER	TEXTILE	-1P	3	M--4--
.885-078 DAMPENING-MACHINE OPERATOR	GARMENT	-1P	2	L--4--
.885-082 DECATING-MACHINE OPERATOR	GARMENT TEXT	-2P	2	M--4--
.885-090 DESULFURIZER MACHINE	SYNTHETIC FI	-2P	3	H--4--
.885-094 DEWER	TEXTILE	-2P	2	L--4--
.885-098 DRUM ATTENDANT	LEATHER MFG	-2P	2	M--4--
.885-102 DYE-REEL OPERATOR	KNIT GOODS T	-2P	3	L-34--
.885-114 DYER MACHINE	FUR DRESSING	-1P	2	M--4--
.885-118 EXTRACTOR OPERATOR	FELT GOODS	-2P	3	M--4--
.885-122 FEATHER WASHER	HOUSE FURN	-1P	2	L--4--
.885-130 FUMIGATOR AND STERILIZER	FURN MATT	-2P	2	V--4--
.885-134 GARMENT STEAMER	KNIT GOODS	-1P	2	L--4--
.885-146 LINER	GLUE LEATHER	-2P	3	L234-6
.885-154 OPEN-SOAPER TENDER	TEXTILE	-1P	2	M--4--
.885-158 PACKAGE-DYEING-MACHINE OPERATO	TEXTILE	-2P	4	M-34--
.885-162 PADDING-MACHINE OPERATOR	TEXTILE	-2P	2	L-34-6
.885-166 PATCH WASHER	TEXTILE	-2-	2	L--4--
.885-170 RANDOM DYER	KNIT GOODS	-2P	2	L--4-6
.885-174 RINSING-MACHINE OPERATOR	KNIT GOODS	-2P	2	L--4--
.885-178 ROPE-SILICA-MACHINE OPERATOR	TEXTILE	-2P	3	M--4--
.885-182 ROPE-SOAPING-MACHINE OPERATOR	TEXTILE	-2P	2	M-34--
.885-190 SATURATOR TENDER	ROOF MATERIA	-2P	3	L2-4--
.885-194 SCRUBBING-MACHINE OPERATOR	CORD / TWINE	-2P	3	L--4--
.885-198 SHEEPSKIN PICKLER	SLAUGHT / ME	-2P	2	M234--
.885-202 SIZING-MACHINE-AND-DRIER OPERA	FELT GOODS	-3P	4	L--4-6
.885-206 SKYING WATCHER	TEXTILE	-2P	2	L2-4--
.885-214 SOAKING-MACHINE OPERATOR	KNIT GOODS	-2P	2	M--4--
.885-218 SPOT-DYEING-AND-WINDING-MACHIN	KNIT GOODS	-2P	3	L--4-6
.885-226 STAINING-MACHINE OPERATOR	CORD / TWINE	-2P	3	L--4--
.885-230 STEAMER OPERATOR	TEXTILE	-2P	2	M--4--
.885-234 STEAMER TENDER	TEXTILE	-2-	2	M--4--
.885-238 TIN-WHIZ-MACHINE OPERATOR	TEXTILE	-2P	4	M--4--
.885-246 WASHER	SYNTHETIC FI	-2P	3	M--4--
.885-250 WEIGHTER	KNIT GOODS	-2P	2	M--4--
.885-258 WRINGER	KNIT GOODS	-2P	2	M--4--
.885-262 YARN DYER VAT	KNIT GOODS	-2P	3	L--4-6

Processing of Textiles and Leather

PHYS.D WK COND
HRP SVP 123456 1234567

582. WASHING, STEAMING, AND SATURATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-266 YARN POLER

TEXTILE -1P 2 L--4-- I-----

.884-010 SPOT CLEANER

GARMENT KNIT -2P 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 BAG OPENER

TEXTILE -2P 2 M-34-- I-----

.887-030 PAD MAKER

TEXTILE -2- 3 M--4-6 I-----

.887-050 TREATER

ANY IND -2- 2 M2-4-- I-----

.886-010 BACK TENDER

GARMENT KNIT -2P 2 M--4-- I-----

.885-026 BLEACH-RANGE OPERATOR

TEXTILE -2P 2 M--4-- I--4---

.885-062 CONDITIONE. TENDER

TEXTILE -2P 3 M-34-- I-----

.885-066 CRABBER

TEXTILE -2P 2 M--4-- I--4---

.885-086 DESIZING-MACHINE OPERATOR HEAD

TEXTILE -2P 3 H--4-- I--4---

.885-126 FULL-DECATOR OPERATOR

TEXTILE -2P 2 L--4-- I-----

.885-138 JIGGER

TEXTILE -2P 3 L-34-6 I-34---

.885-142 KIER BOILER

KNIT GOODS T -2P 3 L234-- I--4-67

.885-150 OPEN-DEVELOPER OPERATOR

TEXTILE -2P 4 L--4-- I--5---

.885-222 SPRAY-MACHINE OPERATOR

TEXTILE -2P 2 L--4-- I-----

.885-254 WOOL-WASHING-MACHINE OPERATOR

KNIT GOODS T -2P 2 L--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 AUTOCLAVE OPERATOR

KNIT GOODS -2- 2 M-34-- I-----

.885-038 BOIL-OFF-MACHINE OPERATOR CLOT

TEXTILE -2P 2 M--4-- I-34---

.885-042 BOIL-OFF-POT OPERATOR

TEXTILE -2P 4 M-34-- I-3---

.885-050 CLOTH-FINISHING-RANGE OPERATOR

KNIT GOODS T -2P 2 M--45- I-----

.782-038 TANNING-DRUM OPERATOR

LEATHER MFG -3P 4 H--4-- I--45-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 AGER OPERATOR

TEXTILE -2P 2 M--4-- I-----7

.885-186 SATURATION-EQUIPMENT OPERATOR

LINOLEUM -2P 4 L--4-6 I-3--67

.885-210 SOAKER HIDES

SLAUGHT / ME -2P 2 M234-- I--4--7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-030 BLEACHER

KNIT GOODS -2P 4 M--4-- I--4---

.885-046 CLOTH-FINISHING-RANGE TENDER

TEXTILE H3P 3 H-34-- I-----

.885-054 CLOTH-WASHER OPERATOR

TEXTILE -2P 2 M-34-- I--4---

.885-058 COLORING-MACHINE OPERATOR

HAT / CAP -2P 3 L--4-- I-----

.885-270 YARN SOAKER

TEXTILE -3P 3 M-34-6 I--45--

.885-274 YARN-WASHING-AND-BLEACHING-MAC

TEXTILE -3P 4 L--4-6 I--4---

.782-010 DELIMER

LEATHER MFG -3P 3 L--4-6 I-----7

.782-018 DYE-RANGE OPERATOR CLOTH

TEXTILE -3P 4 M--4-- I-----

.782-026 PICKLER

LEATHER MFG -3P 4 L--4-6 I--45-7

.782-034 SPIRAL-DYE-BECK TENDER

TEXTILE -3P 4 M--4-- I-----

.782-042 WARP-SPOOL SLASHER

NARROW FABRI -2P 5 H--4-- I-34---

.587-010 CHEMICAL-STRENGTH TESTER

TEXTILE -3- 2 M--4-- I--4---

582. WASHING, STEAMING, AND SATURATING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-110 DYE-TUB OPERATOR	HOSIERY KNIT	-2P	3	M-34--	I--4---
.782-014 DRUM PRINTER	TEXTILE	-3P	5	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-106 DYE-TANK TENDER	CORD / TWINE	-2P	3	M-34-6	I--4---
.885-242 WZRP-DYEING-VAT TENDER	TEXTILE	-3P	4	M--4--	I-34---
.782-022 FINISHING-MACHINE OPERATOR	NARROW FABRI	-3P	4	M--4--	I-----
.687-010 SHADE MATCHER	TEXTILE	-2-	3	H-34-6	I-----

583. IRONING, PRESSING, GLAZING, STAKING, CALENDERING, AND EMBOSsing

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BELT RUBBERIZER	GARMENT	-1-	2	L--4--	I-----
.886-010 BEAD-MACHINE OPERATOR	HAT / CAP	-1P	2	L--4--	I-----
.886-018 HYDRAULIC-PRESS-OPERATOR HELPE	FELT GOODS	-2-	2	M--4-6	I--5---
.886-022 MANGLE-PRESS CATCHER	KNIT GOODS T	-1-	2	L--4--	I-----
.886-026 OUTSOLE FLEXER	BOOT / SHOE	-1-	1	L-34--	I-----
.886-030 PILLOWCASE TURNER	TEXTILE	-1-	2	L--4--	I-----
.886-034 PRESS FEEDER	GARMENT KNIT	-1-	2	L--4--	I-----
.885-014 BRIM CURLER	HAT / CAP	-2P	2	L--4--	I--5---
.885-018 BRIM PRESSER I	HAT / CAP	-2P	2	L--4--	I-----
.885-022 BRIM-AND-CROWN PRESSER	HAT / CAP	-2P	2	L--4-6	I--5---
.885-038 COMBINING-MACHINE TENDER	TEXTILE	-2P	2	M--4--	I-----
.885-042 CRUSHER-AND-BINDER OPERATOR	CORD / TWINE	-2P	2	L--4--	I-----
.885-046 EMBLEM-FUSER OPERATOR	HOSIERY	-1P	2	L--4--	I-----
.885-050 EMBOSser	ANY IND	-2P	3	M--4--	I-----
.885-058 EMBOSsing-MACHINE-OPERATOR HEL	PLASTIC MAT	-2P	1	M-34--	I--6---
.885-062 FOLDING-MACHINE OPERATOR	GARMENT	-2P	2	L--4--	I-----
.885-066 GREASER OPERATOR	HAT / CAP	-2P	3	L--4--	I-----
.885-070 HAT-LINING BLOCKER	HAT / CAP	-2P	2	L--4-6	I-----
.885-074 HYDRAULIC-PRESS OPERATOR	FELT GOODS	-2P	2	L-34--	I--7---
.885-078 HYDRAULIC-PRESS OPERATOR	KNIT GOODS	-2P	2	L--4--	I-----
.885-094 NARROW-FABRIC CALENDERER	NARROW FABRI	-2P	2	M--4--	I-----
.885-102 PRESS OPERATOR	TEXTILE	-2P	4	L--4--	I-----
.885-106 PRESSER BUFFING WHEEL	TEX PROD N E	-2P	2	L--4--	I-----
.885-110 PRESSING-MACHINE OPERATOR	HOSIERY	-1P	2	S--4--	I-----
.885-114 PRESSING-MACHINE OPERATOR	HOSIERY	-1P	2	S--4--	I-----
.885-134 STAKER MACHINE	LEATHER MFG	-2P	2	L--4--	I-----
.885-138 STRAW-HAT PLUNGER OPERATOR	HAT / CAP	-2P	2	M--4--	I-----
.885-150 SWEATBAND-DECORATING-MACHINE O	HAT / CAP	-2P	2	M--4--	I-----
.885-154 TOP STRETCHER	HOSIERY	-2P	2	S--4--	I-----
.885-158 TRIMMING-MACHINE OPERATOR	GARMENT KNIT	-2P	2	L--4--	I-----
.884-014 WAIST PLEATER	TRIM / STAMP	-2P	5	L--4--	I--4---

Processing of Textiles and Leather

PHYS.D WK COND
HRP SVP 123456 1234567

583. IRONING, PRESSING, GLAZING, STAKING, CALENDERING, AND EMBOSsing (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010 BREAKER-MACHINE TENDER	TEXTILE	-2P	2	M--4--	I---5--
.885-026 BUFFER MACHINE	LEATHER MFG	-2P	3	L--4--	I---5--
.885-030 CALENDER OPERATOR	FELT GOODS T	-3P	3	M--4--	I-----
.885-054 EMBOSsing-MACHINE OPERATOR	ARTIF LEATHE	-3P	4	M-34--	I-----6-
.885-082 JACQUARD-TWINE-POLISHER OPERAT	CORD / TWINE	-2P	3	L--4-6	I-----
.885-086 LEATHER ETCHER	GARMENT	-2P	3	L--4-6	I-----
.885-090 MANGLER	KNIT GOODS	-2P	2	L--4--	I-----
.885-098 POUNCING-LATHE OPERATOR	HAT / CAP	-2P	2	L--4-6	I---5--
.885-118 ROLLER-MACHINE OPERATOR	LEATHER MFG	-2P	2	M--4--	I---5--
.885-122 RUBBERIZER MACHINE	GARMENT	-2P	2	L--4--	I-34--
.885-126 SEAM PRESSER	HAT / CAP	-2P	3	L--4-6	I-----
.885-130 SHAPER AND PRESSER	GARMENT	-2P	2	L--4--	I-----
.885-142 STRAW-HAT PRESSER MACHINE	HAT / CAP	-2P	2	L--4-6	I-----
.885-162 VOEKLER-PRESS OPERATOR	TEXTILE	-2P	3	M--4--	I-----
.885-166 YARN-POLISHING-MACHINE OPERATO	TEXTILE	-2P	2	M-34--	I-3----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-014 GLOVE TURNER AND FORMER AUTOMA	GLOVE / MIT	-1P	2	L--4--	I-----
.885-146 STRIP PRESSER	BOOT / SHOE	-2P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-034 CALENDER-MACHINE OPERATOR	ASBESTOS PRO	-3P	3	M--4--	I-----
.884-010 PLEATER HAND	TRIM / STAMP	-3P	5	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-014 EMBOSsing-PRESS OPERATOR	ARTIF LEATHE	-3P	5	M--4--	I-----
-----------------------------------	--------------	-----	---	--------	--------

584. MERCERIZING, COATING, AND LAMINATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 LEATHER COATER	LEATHER MFG	-1-	1	L--4--	I-----
.887-014 SPRAYER HAND	LEATHER MFG	-2-	2	L--4--	I-----
.886-010 PLISSE-MACHINE-OPERATOR HELPER	TEXTILE	-2P	2	M-34--	I-----
.886-014 YARN-MERCERIZER-OPERATOR HELPE	TEXTILE	-2P	2	M--4--	I-34--
.885-014 CLOTH-MERCERIZER OPERATOR	TEXTILE	-3P	3	M--4--	I-----
.885-018 CLOTH-OILER OPERATOR	TEXTILE	-2P	2	L--4--	I-----
.885-022 COATING-MACHINE OPERATOR	TEX BAG	-3P	2	M--4--	I-----
.885-026 CORD-IMPREGNATING-MACHINE OPER	TEXTILE	-3P	2	M--4-6	I-----
.885-030 FLOCKING-MACHINE OPERATOR	TEXTILE	-2P	3	M--4--	I-----
.885-034 FOXING PAINTER	RUBBER GOODS	-3P	2	L--4-6	I-----
.885-038 GLUE-SPREADING-MACHINE OPERATO	LEATHER PROD	-2P	2	L--4--	I---5--
.885-042 HAT-STOCK LAMINATING MACHINE O	HAT / CAP	-2P	4	H--4-6	I---5--
.885-046 KNIFE-MACHINE OPERATOR	TEXTILE	-3P	4	M--4--	I---5--

584. MERCERIZING, COATING, AND LAMINATING (CONT.)

.885-050 MANGLE TENDER	TEXTILE	-3P	2	L--4--	I--4--
.885-054 PAINTING-MACHINE OPERATOR	TEXTILE	-3P	3	M--4--	I-----
.885-058 SIZING-MACHINE TENDER	HOSIERY TEXT	-3P	3	L-34--	I---5--
.885-062 TAPING-MACHINE OPERATOR	BUTTON	-2P	2	L--4--	I-----
.885-066 TARRING-MACHINE OPERATOR	CORD / TWINE	-3P	3	L--4--	I--4--
.885-070 WAXING-MACHINE OPERATOR FABRIC	TEXTILE	-3P	2	L--4--	I-----
.885-074 YARN-MERCERIZER OPERATOR	TEXTILE	-3P	2	L--4-6	I-----
.885-078 YARN-MERCERIZER OPERATOR	TEXTILE	-3P	3	M--4--	I--4--
.884-010 SPRAYER	FELT GOODS	-1-	3	L--4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-018 COATING-MACHINE OPERATOR	FIBER RUGS	-3P	5	L-34--	I-----
-----------------------------------	------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 CALENDER OPERATOR OILCLOTH	ARTIF LEATHE	-3P	3	M--4--	I----6-
.782-014 COATING-MACHINE OPERATOR	ARTIF LEATHE	-3P	5	M--4-6	I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-010 COATER	TEXTILE	-3P	4	M--4--	I-----
-----------------	---------	-----	---	--------	--------

585. SINGEING, CUTTING, SHEARING, SHAVING, AND NAPPING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CARPET CUTTER	CARPET / RUG	-1-	3	L--4--	I-----
.887-014 STRAIGHTENER AND CUTTER	HOUSE FURN	-2P	1	L--4--	I-----
.886-010 RUG-CUTTER HELPER	FIBER RUGS	-2-	2	M-34--	I-----
.885-010 BUFFER	HAT / CAP	-2P	3	L--4-6	I-----
.885-014 CHINCHILLA-MACHINE OPERATOR	TEXTILE	-3P	2	M--4--	I-----
.885-018 CLOTH TRIMMER MACHINE	TEXTILE	-3P	3	H-34--	I-----
.885-022 CONCAVING-MACHINE OPERATOR	BOOT / SHOE	-1P	2	L--4--	I---5--
.885-026 CORDUROY-BRUSHER OPERATOR	TEXTILE	-3P	2	M-34--	I-----7
.885-030 CORDUROY-CUTTER OPERATOR	TEXTILE	-3P	3	M-34-6	I-----7
.885-034 CUT-LACE-MACHINE OPERATOR	LEATHER PROD	-3P	3	L--4--	I-----
.885-038 ELECTRIFIER OPERATOR	TEXTILE	-3P	3	L--4--	I-----
.885-042 FUR-CUTTING-MACHINE OPERATOR	HAT / CAP	-2P	2	L--4--	I---5--
.885-046 GIG TENDER	TEXTILE	-3P	2	L--4--	I-----
.885-054 MELLOWING-MACHINE OPERATOR	HAT / CAP	-1P	2	L--4--	I-----
.885-066 ROLLING-MACHINE OPERATOR	TEXTILE	-2P	2	L--4-6	I-----
.885-070 ROUNDING-MACHINE OPERATOR	HAT / CAP TE	-3P	2	L--4--	I-----
.885-082 SHEARING-MACHINE FEEDER	FUR DRESSING	-2P	3	M--4--	I-----
.885-086 SHEARING-MACHINE OPERATOR	KNIT GOODS T	-3P	2	H-34--	I-----
.885-090 SINGE-MACHINE OPERATOR	HOSIERY	-2P	2	L--4--	I-----
.885-094 SINGER	TEXTILE	-2P	3	H--4--	I-----7
.885-098 SKIVER BLOCKERS	BOOT / SHOE	-2P	2	L--4--	I-----
.885-102 SPLITTER MACHINE	BOOT / SHOE	-3P	2	L--4--	I---5--

Processing of Textiles and Leather

PHYS.D WK COND
HRP SVP 123456 1234567

585. SINGEING, CUTTING, SHEARING, SHAVING, AND NAPPING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-106 STRIPPING CUTTER AND WINDER
.885-110 SWEATBAND SEPARATOR
.885-114 TRIMMER MACHINE
.884-010 BEAMER

BOOT / SHOE -3P 3 M--4-- I-----
HAT / CAP -3P 2 L--4-- I-----
LEATHER MFG -2P 2 H--4-- I-----7
LEATHER MFG -1- 3 L-34-6 I--456-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-078 SHAVING-MACHINE OPERATOR

FUR DRESSING -3P 3 M--4-- I--567

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-050 LABEL PINKER
.885-058 NAPPER TENDER
.885-062 NAPPER TENDER
.885-074 RUG INSPECTOR
.884-014 TRIMMER HAND
.687-010 BEAMING INSPECTOR
.687-014 PATCHER

NARROW FABRI -2P 2 S--4-6 I-----
FELT GOODS G -2P 3 M--4-- I-----
HOSIERY -2P 2 S--4-- I-----
FELT GOODS -2- 4 L--4-- I-----
LEATHER MFG -1- 2 L--4-- I--4--7
LEATHER MFG -1- 2 M--4-6 I--45-7
LEATHER MFG -2P 2 L-34-6 I-----

586. FELTING AND FULLING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FELT CARBONIZER
.886-010 FELTING-MACHINE-OPERATOR HELPE
.886-014 HAT-FORMING-MACHINE FEEDER
.886-018 MACHINE HELPER
.885-010 CARROTING-MACHINE OPERATOR
.885-014 CONTINUOUS-CRUSHER OPERATOR
.885-018 FELTMAKER AND WEIGHER
.885-022 GASSER
.885-026 HARDENING-MACHINE OPERATOR
.885-030 HAT-FORMING-MACHINE OPERATOR
.885-034 SHRINKING-MACHINE OPERATOR
.782-010 FELTING-MACHINE OPERATOR
.782-018 FULLING-MACHINE OPERATOR
.685-010 TESTING-MACHINE OPERATOR

FELT GOODS -2P 3 M----- I--4-67
FELT GOODS -2- 2 M--4-- I-----
HAT / CAP -2P 2 L--4-- I-----7
FELT GOODS -2- 2 M-34-- I-----7
HAT / CAP -2P 2 M--4-- I-----7
TEXTILE -3P 2 M--4-- I-----
FELT GOODS -2P 3 L--4-- I-----
TEXTILE -3P 2 L--4-6 I-----
HAT / CAP -3P 3 L--4-- I--45--
HAT / CAP -3P 3 M--4-- I--45--
HAT / CAP -3P 3 L--4-- I--45--
FELT GOODS -3P 4 M--4-- I-----
FELT GOODS -3P 4 M--4-- I--5--
FELT GOODS -2P 4 L--4-- I--5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-014 FULLER

TEXTILE -3P 4 M--4-- I-----

587. BRUSHING AND SHRINKING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CANVAS SHRINKER
.886-010 HEBDON-MACHINE-SPONGER HELPER

GARMENT TEXT -1- 2 H--4-- I--4--
TEXTILE -1- 2 H--4-- I--5--

587. BRUSHING AND SHRINKING (CONT.)

.886-014	SANFORIZING-MACHINE-OPERATOR H	TEXTILE	-2P	2	L-34--	I--4-6-
.886-018	SOCK BOARDER	HOSIERY	-1-	2	L--4--	I-----
.885-010	BINDING-MATERIAL STEAMER	KNIT GOODS	-2P	2	L--4--	I--4---
.885-014	BRUSH OPERATOR	TEXTILE	-2P	2	L--4--	I-----
.885-018	BRUSHER MACHINE	HAT / CAP	-2P	2	M--4--	I-----
.885-022	CLOTH-SHRINKING-MACHINE OPERAT	GARMENT TEXT	-3P	3	L--4--	I--4---
.885-026	DUSTER	HAT / CAP	-2P	2	L--4--	I-----
.885-030	LONDON-SHRINKING-MACHINE OPERA	GARMENT TEXT	-3P	4	H--4--	I--4---
.885-034	SANFORIZING-MACHINE OPERATOR	TEXTILE	-2P	3	L--4--	I-----
.885-038	SHRINKING-MACHINE OPERATOR	KNIT GOODS	-2P	2	M-34--	---
.885-042	SOAKER	TEXTILE	-2P	4	M-34--	I-----
.885-046	STRIKF-OUT-MACHINE OPERATOR	TEXTILE	-2P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010 AUTOCLAVE OPERATOR TEXTILE -3P 4 H--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.384-010 SANFORIZE TESTER TEXTILE -3- 3 L--4-- I-----

589. PROCESSING, LEATHER AND TEXTILES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	BAGGING SALVAGER	TEXTILE	-1-	1	L--4--	I-----7
.887-014	BOBBIN CUTTER	TEXTILE	-1-	1	S--4--	I-----
.887-018	BUNDLE BREAKER	CORD / TWINE	-1-	2	L-34--	I---5-7
.887-022	DIPPER	TEXTILE	-1-	2	M-34--	I-----
.887-030	DYER	ARTIF FLOWER	-1-	2	L--4--	I-----
.887-034	DYER	HAT / CAP	-1-	2	L--4-6	I-----
.887-038	KNOTTER	TEXTILE	-1-	1	L--4--	I-----
.887-050	PULLER	TEXTILE	-1-	2	L--4--	I-----
.887-054	SAMPLE PREPARER	TEXTILE	-2-	2	S--4-6	I-----
.887-058	SHADE-CLOTH FINISHER	WINDOW SHADE	-2-	2	L-----	I-----
.887-062	SPREADER	HAT / CAP	-1-	1	M--4--	I--4--7
.887-066	STAINER	LEATHER PROD	-1P	2	L--4-6	I-----
.887-070	STIFFENER	HAT / CAP	-2P	3	L--4-6	I--4--7
.887-074	TUBE CLEANER	TEXTILE	-1-	2	L--4--	I-----
.886-010	CEMENTER MACHINE APPLICATOR	BOOT / SHOE	-2-	2	L--4--	I-----
.886-014	CLOTH FEEDER	TEXTILE	-2P	2	H-34--	I-----
.886-018	FEATHER-CURLING-MACHINE OPERAT	HOUSE FURN	-1-	1	M--4--	I-----
.886-022	LABORER GENERAL	LEATHER MFG	-3-	2	H--4--	B-----
.886-026	OPENER	HAT / CAP	-1-	2	L--4--	I-----
.886-030	PACKAGE CRIMPER	TEXTILE	-1-	2	M -4--	I-----
.886-038	TAKER-OFF HEMP FIBER	CORD / TWINE	-1-	1	M--4--	I---5-7
.886-042	TOBACCO-CLOTH RECLAIMER	WASTE / BATT	-1-	2	M-34--	I---5-7
.886-046	WASTE-MACHINE OFF-BEARER	WASTE / BATT	-1-	2	M--4-6	I-----
.885-010	BLENDING-MACHINE OPERATOR	TEXTILE	-3P	3	M-34--	I---5--

Processing of Textiles and Leather

 PHYS.D WK COND
 HRP SVP 123456 1234567

589. PROCESSING, LEATHER AND TEXTILES, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014	BOARDING-MACHINE OPERATOR	HOSIERY	-2P	3	L--4-6	I-----
.885-018	BREAKER-UP-MACHINE OPERATOR	HAT / CAP	-2P	2	L--4--	I-----
.885-022	BRIM-POUNCING-MACHINE OPERATOR	HAT / CAP	-2P	3	L--4--	I-----
.885-026	CLOTH MEASURER MACHINE	GARMENT TEXT	-2P	2	V-34-6	I-----
.885-030	CLOTH-SKEINING-REEL OPERATOR	TEXTILE	-3P	4	M-34--	I-----
.885-034	COOLER OPERATOR	TEXTILE	-2P	2	M--4--	I-----
.885-038	DETACKER	KNIT GOODS T	-2P	2	M-34--	I--4---
.885-042	DRUMMER	HAT / CAP	-2-	2	M--4--	I-----
.885-050	DRYING-MACHINE TENDER	GARMENT KNIT	-2P	2	L--4--	I-----
.885-054	DUST-BOX TENDER	TEXTILE	-2P	2	L--4--	I-----
.885-058	DYER HELPER	HAT / CAP	-2P	2	L--4--	I--4--7
.885-062	FEATHER MIXER	HOUSE FURN	-2P	2	M--4--	I-----
.885-066	FEATHER SEPARATOR	HOUSE FURN	-2P	2	L--4--	I---5-7
.885-070	FOLDING-MACHINE OPERATOR	KNIT GOODS T	-2P	2	M--4--	I-----
.885-074	FOLDING-MACHINE OPERATOR	TEXTILE	-2P	2	M--4--	I-----
.885-078	FUR-FLOOR WORKER	FUR DRESSING	-3P	2	M--4--	I-----7
.885-082	HAIR-BOILER OPERATOR	FUR DRESSING	-1P	2	M--4--	I--4---
.885-090	KAPOK-AND-COTTON-MACHINE OPERA	WASTE / BATT	-2-	2	M--4--	I---5-7
.885-094	LAUNDRY-MACHINE TENDER	HOUSE FURN	-2P	3	M-34-6	I-34---
.885-098	MARKING-MACHINE OPERATOR	TEXTILE	-2P	2	L--4--	I-----
.885-102	MEASURING-MACHINE OPERATOR	LEATHER MFG	-2P	2	M--4--	I-----
.885-106	PAD-EXTRACTOR TENDER	KNIT GOODS	-3P	3	L--4--	I--4---
.885-110	PLEATER	KNIT GOODS T	-2P	2	M2-4--	I-----
.885-114	PULLER MACHINE	FUR DRESSING	-1P	2	L--4--	I-----
.885-118	RENOVATOR-MACHINE OPERATOR	HOUSE FURN	-2-	2	H--4--	I-----7
.885-122	ROLL TURNER	KNIT GOODS	-2P	2	M--4--	I-----
.885-126	ROLLING-DOWN-MACHINE OPERATOR	KNIT GOODS T	-2P	2	H-34--	I-----
.885-130	ROLLING-MACHINE TENDER	KNIT GOODS	-2P	2	M-34--	I-----
.885-134	SCUTCHER TENDER	TEXTILE	-2P	2	M--4--	I-----
.885-138	SEASONING MIXER	LEATHER MFG	-2-	3	L--4--	I-----
.885-142	SHAKER	HAT / CAP	-2-	2	M--4--	I-----7
.885-146	TANNERY GRINDER	LEATHER MFG	-1P	3	H--4--	I---5--
.885-150	TURNING-MACHINE OPERATOR	TEX BAG	-2P	2	L-34--	I-----
.885-154	VACUUM-TANK TENDER	TEXTILE	-2-	2	M--45-	I-----
.885-158	WRINGER-MACHINE OPERATOR	FELT GOODS L	-2P	2	M--4--	I--4-67
.885-162	YARN-TEXTURING-MACHINE OPERATO	SYNTHETIC FI	-2P	3	L--4-6	I---5--
.884-014	RAKER BUFFING WHEEL	TEX PROD N E	-2P	2	M--4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-046 FABRIC-LAY-OUT WORKER TEXTILE -3P 2 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

 .887-026 DYE-STAND LOADER TEXTILE -2P 2 L-34-- I-34-6-
 .887-042 LABORER GENERAL ARTIF LEATHE -3P 2 H234-6 I-----
 .782-014 SCOURING-TRAIN OPERATOR CARPET / RUG -3P 4 M--4-- I--4--

589. PROCESSING, LEATHER AND TEXTILES, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-078 WOOL PULLER
.886-034 RUG-INSPECTOR HELPER
.885-086 HAT FINISHER
.884-018 SPECK DYER
.687-010 CLOTH FOLDER HAND
.687-018 PIECER
.687-022 RAW-SILK GRADER
.685-010 CLOTH SHADER
.387-014 INSPECTOR AND SORTER
.387-022 WOOL-AND-PELT GRADER

LEATHER MFG -2- 2 M-34-6 I-----
FELT GOODS -2- 2 H--4-- I---5--
HAT / CAP -2P 4 L--4-6 I-----
TEXTILE -2- 3 L--4-6 I-----
GARMENT TEXT -2- 2 L--4-- I-----
TEXTILE -2- 4 S--4-6 I-----
TEXTILE -2- 4 S----6 I-----
GARMENT TEXT -2- 4 L--4-6 I-----
LEATHER MFG -2- 4 L--4-6 I--4-6-
SLAUGHT / ME -2- 4 H-34-6 I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 COLOR MIXER
.488-010 WEIGHT-YARDAGE CHL 'KER
.487-010 YARN-WEIGHT-AND-STRENGTH-TESTE

WINDOW SHADE H3P 3 L--4-6 I-----
TEXTILE -3- 2 L--4-- I-----
TEXTILE -2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-046 DRY CLEANER

KNIT GOODS -3- 2 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.387-010 COLOR CHECKER, ROVING OR YARN
.381-010 COLOR MATCHER

TEXTILE -3- 3 L--4-6 I-----
LEATHER MFG -3- 4 L--4-6 I-----

PROCESSING WORK NOT ELSEWHERE
CLASSIFIED (590.-599.)

Occupations in this area are concerned with the processing of materials and products not classified under 500.-589. As with other processing occupations, activities include the use of equipment to mix, heat, melt, clean, coat, and dry.

Occupations in this area include all eight combinations of cognitive demands. About half make minimum cognitive demands, and another substantial number make moderate mathematics demands only. Mathematics demands are most often associated with the weighing or measuring of materials such as in following a specified formula for a wax mix. Language demands include following supervisory instructions, requesting assistance when problems occur, reading product specifications, entering production information on records, and labeling product samples for analysis. Perceptual processing demands are associated with activities such as inspecting to verify that alignment defects, cracks, or discolorations are not present.

Psychomotor skill is important for about 70 percent of the occupations for the operation or tending of equipment. Spray, hydraulic press, and rolling equipment are typical units. Auxiliary equipment also imposes psychomotor requirements for some of the occupations, such as with the use of an electric hoist to load and position materials in a drier. Mechanical skills are sometimes required for minor maintenance. Knowledge of chemical handling procedures is important to a number of occupations, especially those which involve the use of caustic solutions and acids.

Automation is a dominant trend here as in other processing occupations. There are limited entry and career progression opportunities, especially as they relate to support of highly automated line operations.

PHYS.D WK COND
HRP SVP 123456 1234567

590. PROCESSING, ASSORTED MATERIALS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM
.887-014 PLASTIC-JOINT MAKER	BRICK / TILE	-2P 3 H--4-- I-3----
.887-018 RACK LOADER	LINOLEUM	-1- 1 M--4-- I-----
.887-022 RUG CUTTER	LINOLEUM	-1- 1 M--4-- I-----
.887-026 STOVE-BOTTOM WORKER	LINOLEUM	-2- 2 L--4-- I-3--67
.886-010 COATING-MACHINE-OPERATOR HELPER	LINOLEUM	-2- 2 M----6 I-3-567
.886-018 GUIVER	LINOLEUM	-2P 2 M--4-6 I----6-
.886-022 HOOK LOADER	TOYS / GAMES	-1- 2 L--4-- I-----
.885-010 COATING-MACHINE OPERATOR	LINOLEUM	-2P 4 M2---6 I-34567
.885-022 ETCHER PRINTED CIRCUITS	ELECTRONICS	-2P 2 M----- I----6-
.885-030 FIRER	JEWELRY	-2P 3 L--4-- I-3----
.885-034 GRINDER OPERATOR	MATCH	-2P 3 M--4-- I----6-
.885-038 HEEL SPRAYER MACHINE	BOOT / SHOE	-2P 3 L--4-6 I-----
.885-050 IRONER	NEEDLE PIN	-2P 2 L--4-- I-----
.885-054 JEWELRY COATER	JEWELRY	-2P 2 L--4-- I-----

590. PROCESSING, ASSORTED MATERIALS (CONT.)

.885-058 OVEN OPERATOR	LINOLEUM	-2P	3	L--456	I-3-567
.885-062 PLATE-DRYING-MACHINE OPERATOR	ELEC EQUIP	-2P	2	L--4-6	I-----
.885-066 PRESS-MACHINE OPERATOR	LINOLEUM	-2P	2	M--4-6	I-----
.782-010 CALENDER OPERATOR	LINOLEUM	-2P	4	L--4-6	I-----
.782-022 FASTENER-AUTOMATION-MACHINE OP	NEEDLE PIN	-3P	4	L--4--	I-----
.782-050 STOVE-CARRIAGE OPERATOR	LINOLEUM	H2P	4	M--4-6	I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 LABORER	CANDLE	-2-	2	V-34--	I-----
.886-014 COMPOUND FILLER	MATCH	-2-	2	M--4--	I-----
.885-018 DIPPER	MATCH	-3P	3	M--4--	I-----
.885-026 FIRER	ELECTRONICS	-2P	3	L--4--	I-3--6-
.782-014 COATER ASPHALT	ROOF MATERIA	-3P	4	L--4--	I---567
.782-030 IM-PREGNATING-MACHINE OPERATOR	WIREWORK	-3P	4	M--4--	I-3--6-
.782-034 IMPREGNATOR	ELECTRONICS	-3P	4	M--4--	I-----
.487-010 COLOR WEAHER	LINOLEUM	-2-	4	H-34-6	I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-070 ROLL-UP-GUIDER OPERATOR	LINOLEUM	H2P	4	M--4-6	I----6-
----------------------------------	----------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014 DIAMOND BLENDER	CUT TOOLS	-3P	4	M--4--	I-----
.885-042 IMPREGNATOR ELECTROLYTIC CAPACT	ELECTRONICS	-3P	3	M--4-6	I-----
.885-078 SPRAY PAINTER MACHINE	WALLBOARD	-3P	2	L--4--	I-----7
.782-042 OPERATOR AUTOMATED PROCESS	ELECTRONICS	-3P	4	M-34-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-090 WINDER OPERATOR	LINOLEUM	H3P	2	H--4-6	I---56-
.782-046 ROLLER BOSS	LINOLEUM	H2P	4	M--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-046 IRON-PLASTIC BULLET MAKER	AMMUNITION	-3P	3	H234--	I-3----
.885-082 WAD IMPREGNATOR	AMMUNITION	-3P	2	M--4--	I-----
.885-086 WAD LUBRICATOR	AMMUNITION	-3P	2	M2-4--	I-----
.782-018 CONTROLS OPERATOR, MOLDED GDS	LINOLEUM	-3P	5	L--456	I-3-5-7
.782-038 MECHANICAL OXIDIZER	LINOLEUM	-3P	5	M--4-6	I-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-074 SEALING-MACHINE OPERATOR	ELECTRONICS	-3P	3	M--4--	I-3-5--
.387-010 LINOLEUM INSPECTOR	LINOLEUM	-2-	4	M-34-6	I-3-5-7

599. MISCELLANEOUS PROCESSING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 WASHER	ANY IND	-2-	2	M--4--	I--4---
.886-010 MILL-OPERATOR HELPER	ANY IND	-2P	2	M-34--	I---5-7
.886-014 SPRAY-UNIT FEEDER	ANY IND	-1-	2	L--4--	I-----7
.885-010 BLOCK SEALER	AUTO MFG	-1-	2	L--4--	I-----
.885-014 BRAN MIXER	IRON / STEEL	-2-	3	H--4--	I-----7
.885-022 CRUSHER TENDER	ANY IND	-2P	3	M--4-6	I---5-7
.885-026 DEFINER	BUTTON	-1-	2	M--4--	I--4---
.885-038 FILTER OPERATOR	ANY IND	-2P	4	H-34--	I--4-6-
.885-042 FILTER WASHER AND PRESSER	DISTILLED LI	-3P	2	L234--	I--4---
.885-046 FILTER-PRESS OPERATOR	ANY IND	-3P	4	L--4--	I--4---
.885-054 FILTRATION HELPER	ANY IND	-2-	2	V--4--	I-----
.885-058 IMPREGNATING-TANK OPERATOR	ANY IND	-2P	4	M--4--	I---5--
.885-066 LACQUERER	FABRIC PLAST	-1-	3	M--4--	I-----7
.885-074 OXIDIZED-FINISH PLATER	ANY IND.	-1-	2	M--4--	I-----
.885-086 PAINTING-MACHINE OPERATOR	ANY IND	-2P	3	M--4--	I-----7
.885-102 SPRAY-MACHINE TENDER	TINWARE	-2P	4	L2-4--	I---5--
.885-106 SPRAYER MACHINE	LEATHER MFG	-2P	2	M--4--	I-----7
.885-114 TUBBER	JEWELRY	-1-	2	L--4--	I--4---
.885-118 TUBE COATER	FABRIC METAL	-1P	2	L--4--	I-----7
.885-122 TUMBLER	CLOCK / WATC	-1-	2	L--4--	I-----7
.885-126 TUMBLER OPERATOR	ANY IND	-1-	2	M--4--	I-----
.885-130 WASHER MACHINE	ANY IND	-2P	2	M--4--	I--4-6-
.883-010 LEAD HANDLER	AMMUNITION	-2P	3	H-34--	I---67

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-062 IMPREGNATOR-AND-DRIER HELPER	ELEC EQUIP	-3P	3	M-34-6	I-3--67
.782-014 IMPREGNATOR AND DRIER	ELEC EQUIP	-3P	5	M-3456	I-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-030 DIPPER	ANY IND	-3P	2	M--4--	I-----
.885-034 DIPPER AND BAKER	ANY IND.	-3P	2	M--4--	I-3----
.885-070 MILL OPERATOR	ANY IND	-3P	3	M--4-6	I---5--
.885-078 PAINT-LINE OPERATOR	TOYS / GAMES	-3P	3	M--4--	I-----
.885-090 PLEATING-MACHINE OPERATOR	ANY IND	-3P	4	L--4--	I-----
.885-094 POLISHER	BUTTON	-2-	2	H--4--	I--4---
.885-098 SCREENER OPERATOR	ANY IND	-2P	2	H--4--	I---5-7
.885-134 WASHING-MACHINE OPERATOR	ANY IND	-2-	2	M--4--	I--45--
.885-138 WATER TENDER	ANY IND	-3P	4	L--4--	I-----6
.884-010 EQUIPMENT CLEANER HAND	ANY IND	-3-	2	H234--	I--4-67
.782-010 CATHODE-COATER OPERATOR	ELECTRONICS	-3P	3	L--4--	I-----
.782-018 PAINT-SPRAYER OPERATOR AUTOMAT	ANY IND	-3P	5	M--4-6	I---5-7
.487-010 CATHODE-COATING INSPECTOR	ELECTRONICS	-3P	3	L--4-6	I-----

599. MISCELLANEOUS PROCESSING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 NET WASHER
.885-050 FILTER-PRESS TENDER

RUBBER GOODS -2- 2 L--4-- I-----
GLUE MALT LI -2P 3 L234-- I2-4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-026 STERILIZER
.884-014 SAMPLER

DRUG PREP -2- 3 L--4-- I-3----
COKE PROD -3- 3 M-34-- B---567

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.835-018 BULB CARBONIZER
.885-082 PAINTER TUMBLING BARREL

ELECTRONICS -3P 2 M--4-- I-----
ANY IND -3P 3 M--4-6 I-----7

(6.) MACHINE TRADES
OCCUPATIONS

(6.) MACHINE TRADES OCCUPATIONS

METAL MACHINING (600-609.)

Occupations in this area are concerned with the shaping of metal parts or products by removing excess metal by cutting, boring, milling, abrading, and planing. The machining of plastics is included when the methods are the same as for metals.

About a third of the occupations in this area demand minimum cognitive capabilities and another third demand moderate capabilities of all three types. The remaining third are distributed among the other five combinations of cognitive capabilities, but with concentrations demanding moderate mathematics only, a combination of language and mathematics, and a combination of mathematics and perceptual processing. Mathematics demands are associated with activities such as the computation of gear dimensions or of machine settings, calculation of taper from length and end dimensions, and the determination of concentricity using dial gauges and micrometer readings. Language demands include understanding supervisory instructions, reading product specifications, clarification of procedural guidance through discussion, coordination of activities with other workers, and recording of production information. Perceptual processing demands include feeling for excessive or inadequate movement between parts, observing and feeling finished surfaces for irregularities, checking warp with a straight edge, and detecting noises indicative of poor mesh. Additional perceptual processing demands are sometimes associated with identification of alloys through scratch tests or the color of sparks when ferrous alloys are applied to a grinder.

Psychomotor skills are demanded by about 40 percent of the occupations for the operation or tending of machining equipment or the use of hand tools. Knowledge of basic mechanics is useful both for minor maintenance and estimating the nature of motion and force conversions.

Some entry jobs involve routine operation on only one machine. Career progression opportunities include the possibility of moving to higher-skill occupations involving expertise with multiple machines and the ability to determine what machining operations are best to achieve a desired end product.

PHYS.D WK COND
HPP SVP 123456 1234567

600. MACHINING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 INSTRUMENT-MAKER HELPER

ANY IND

-3- 4 L--4-6 I-----

Metal Machining

PHYS.D WK COND
HRP SVP 123456 1234567

601. TOOLMAKING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 TOOL-DRESSER HELPER
.782-010 KNIFE GRINDER
.782-018 TOOL DRESSER

ANY IND -1- 2 M--4-- I-----
WOODWORKING -3P 5 M--4-6 I---56-
ANY IND -2- 5 M--4-6 I-----

602. GEAR MACHINING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 GEAR-CUTTING-MACHINE OPERATOR
.382-018 GEAR-SORTING-MACHINE OPERATOR

MACH SHOP -2- 3 M--4-6 I-----
MACH SHOP -3- 5 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.382-014 GEAR ROLLER

MACH SHOP -3- 4 L--456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 GEAR HOBBER SET-UP OPERATOR
.782-014 GEAR-GENERATOR SET-UP OPERATOR
.782-018 GEAR-GENERATOR SET-UP OPERATOR
.782-022 GEAR-LAPPING-MACHINE OPERATOR
.782-026 GEAR-MILLING-MACHINE SET-UP OP
.782-030 GEAR-SHAPER SET-UP OPERATOR
.782-034 GEAR-SHAVER SET-UP OPERATOR
.782-038 GRINDER GEAR

MACH SHOP -3P 5 M--4-- I-----
MACH SHOP -3P 5 M--4-6 I-----
MACH SHOP -3P 5 M--4-6 I-----
MACH SHOP -3P 5 M--4-6 I-----
MACH SHOP -3P 5 M--4-6 I-----
MACH SHOP -3P 5 M--4-6 I-----
MACH SHOP -3P 5 M--4-6 I-----
MACH SHOP -3P 5 M--4-6 I-----

603. ABRADING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 SHEAR-GRINDER-OPERATOR HELPER
.885-026 BEVEL POLISHER
.885-038 BOTTOM POLISHER
.885-042 BRUSH POLISHER
.885-054 BURNISHING-MACHINE OPERATOR
.885-058 BURNISHING-PRESS OPERATOR
.885-062 BURRER MACHINE
.885-066 DEBURPER
.885-082 KNIFE AND SPUR GRINDER
.885-090 KNIFE GLAZER
.885-102 SNAILER
.885-106 STONER AND POLISHER BEVEL FACE
.782-010 BARREL POLISHER INSIDE

TEXTILE -2P 2 H-34-- I-----
CLOCK / WATC -2P 2 L--45- I-----
ELEC EQUIP -2- 2 L-34-6 I---5--
CLOCK / WATC -2- 3 S--4-- I-----
CLOCK / WATC -2P 2 L--4-- I-----
CLOCK / WATC -2- 2 L--4-- I-----
CLOCK / WATC -2P 2 L--4-- I-----
NEEDLE PIN -2- 2 L--4-6 I-----
EXCELSIOR -2P 3 L--4-- I-----
SILVERWARE -2- 2 L--4-- I---5--
CLOCK / WATC -2- 2 L--4-- I-----
CLOCK / WATC -2- 3 L--4-- I-----
FIREARMS -3P 4 M--4-6 I--4---

603. ABRADING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 BEARINGNIZER
.885-050 BURNISHER
.885-074 GRINDER OPERATOR AUTOMATIC
.885-098 SHOT-GRINDER OPERATOR

ACTO MFG -2- 2 H-34-- I-----
CLOCK / WATC -2- 2 L--4-- I-----
CUT TOOLS -2- 2 S--4-6 I-----
AMMUNITION -2- 2 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010 POLISHING-MACHINE-OPERATOR HEL
.885-010 BAND-REAMER-MACHINE OPERATOR
.885-022 BEVEL POLISHER
.885-034 BIT-SHARPENER OPERATOR
.885-046 BUFFING-MACHINE TENDER
.885-086 KNIFE-FILER
.885-110 TOOL GRINDER

ANY IND -2- 2 M--4-- I--4---
NONFER METAL -2- 3 M--4-- I-----
CLOCK / WATC -2P 3 L--4-6 I-----
MINING / QUA -3P 4 M--4-6 I-3---
ANV IND -2- 2 L--4-- I---5-7
SUGAR -2P 3 L--4-- I-----
ANY IND -2- 3 M--4-6 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014 BARREL LAPPER
.885-078 GRINDER OPERATOR PRODUCTION
.885-094 LAPPING-MACHINE OPERATOR PRODU
.782-034 GRINDER
.782-054 HONING-MACHINE OPERATOR PRODUC
.782-078 NICKING-MACHINE OPERATOR

FIREARMS -2- 2 M--4-- I--4---
MACH SHOP -2- 3 M--4-6 I-----
MACH SHOP -2- 3 M--4-6 I-----
CLOCK / WATC -3P 5 L--4-- I-----
MACH SHOP -3P 4 M--4-6 I-----
CUT TOOLS -3P 5 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-014 BLANCHARD-GRINDER SET-UP-OPERA
.782-022 BUFFING-MACHINE OPERATOR SILVE

MACH SHOP -3- 4 M--4-6 I-----
SILVERWARE -3- 4 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-030 BIT SHARPENER
.885-070 FLAT POLISHER
.782-018 BUFFING-MACHINE OPERATOR
.782-026 CONTACT-LENS-MOLD FINISHER
.782-038 GRINDER SET-UP OPERATOR INTERN
.782-042 GRINDER SET-UP-OPERATOR CENTER
.782-046 GRINDER SET-UP-OPERATOR EXTERN
.782-050 GRINDER SET-UP-OPERATOR SURFAC
.782-058 HONING-MACHINE SET-UP OPERATOR
.782-066 LAPPING-MACHINE SET-UP OPERATO
.782-070 LINTER-SAW SHARPENER
.782-074 MIRROR-FINISHING-MACHINE OPERA
.782-082 POLISHING-MACHINE OPERATOR

WOODWORKING -2P 3 M--4-6 I---56-
CLOCK / WATC -2P 4 L--4-- I-----
ANY IND -3- 4 L--4-- I---5-7
OPTICAL GOOD -3P 4 S--4-6 I-----
MACH SHOP -3P 4 M--4-6 I-----
MACH SHOP -3P 4 M--4-6 I-----
MACH SHOP -3P 4 M--4-6 I-----
MACH SHOP -3P 4 M--4-6 I-----
MACH SHOP -3P 5 M--4-6 I-----
MACH SHOP -3P 5 M--4-6 I-----
OILS / FATS -3P 4 S--4-6 I-----
SILVERWARE -3P 4 L--4-- I---5--
ANY IND -3P 4 M--4-- I--4---

604. TURNING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	THREADING-MACHINE FEEDER AUTOM	MACH SHOP	-2-	1	H-34--	I--4---
.886-014	WIRE THREADER	CLOCK / WATC	-1-	2	L--4--	I-----
.885-010	CUP-TRIMMING-MACHINE OPERATOR	AMMUNITION	-2-	2	L--4--	I---5--
.885-026	KNURLING-MACHINE OPERATOR	AMMUNITION	-2-	4	M--4-6	I--4---
.885-046	TAPPER I	CLOCK / WATC	-1P	3	L--4--	I-----
.885-050	THREADING-MACHINE OPERATOR	AMMUNITION	-2-	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018	GRINDER LAP	CLOCK / WATC	-2-	3	L--4--	I-----
.782-010	FOX-LATHE OPERATOR	CLOCK / WATC	-2P	5	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-014	PROFILER BALANCE-WHEEL INSIDE	CLOCK / WATC	-2P	4	L--4-6	I-----
----------	-------------------------------	--------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-034	LATHE OPERATOR PRODUCTION	MACH SHOP	-3-	3	M--4-6	I-----
.885-042	SCREW-MACHINE OPERATOR PRODUCT	MACH SHOP	-3-	3	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-014	FACING-MACHINE OPERATOR	CLOCK / WATC	-2P	3	L--4--	I-----
.885-038	RIM-TURNING FINISHER	CLOCK / WATC	-3P	3	S--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-022	KNURLING-MACHINE OPERATOR	PEN / PENCIL	-2-	3	M--4-6	I---5--
.885-030	LAP-TRUING-MACHINE OPERATOR	OPTICAL GOOD	-3-	3	L--4-6	I-----

605. MILLING AND PLANING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-018	FILE CUTTER	CUT TOOLS	-2P	4	L--4-6	I-----
.885-038	PINION CUTTER	CLOCK / WATC	-1-	4	S--4--	I-----
.782-050	ROUTER OPERATOR RADIAL	AIRCRAFT MFG	-3P	4	L--4--	I-----
.782-054	SCALPER OPERATOR	NONFER METAL	-3P	5	M--4--	I---6--
.782-062	STEEL-WOOL-MACHINE OPERATOR AU	ABRASIVE / P	-2P	5	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010	BALANCE RECESSER	CLOCK / WATC	-2-	3	L--4--	I-----
.885-022	HOOKING-MACHINE OPERATOR	CLOCK / WATC	-2P	3	L--4--	I-----
.885-030	LEVER MILLER	CLOCK / WATC	-2-	2	S--4--	I-----
.885-034	MILLING-MACHINE OPERATOR PRODU	MACH SHOP	-3-	3	M--4-6	I-----

605. MILLING AND PLANING (CONT.)

.885-042 PLANING-MACHINE OPERATOR	CLOCK / WATC	-2-	3	S--4--	I-----
.885-046 PROFILING-MACHINE OPERATOR	CLOCK / WATC	-2-	2	S--4--	I-----
.885-054 SQUARING-MACHINE OPERATOR	CLOCK / WATC	-2-	2	L--4-6	I-----
.885-070 TOOTH HOBBER	CLOCK / WATC	-2-	3	L--4--	I-----
.782-074 WHEEL CUTTER	CLOCK / WATC	-2P	5	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-010 BARREL-RIB MATTER	FIREARMS	-3P	4	M--4--	I--4---
.782-022 ENGRAVER TIRE MOLD	MACH SHOP	-3P	5	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-014 BROACHING-MACHINE OPERATOR PRO	MACH SHOP	-3-	4	M--4-6	I-----
.782-030 MILLING-MACHINE SET-UP OPERATO	MACH SHOP	-3-	5	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-014 BARREL RIFLER	FIREARMS	-3P	4	L--4-6	I--4-6-
.885-026 JEWEL STRIPPER	CLOCK / WATC	-2-	2	S--4-6	-----
.885-050 SCRIBING-MACHINE OPERATOR	CUT TOOLS	-2-	2	S--4--	I-----
.885-058 TOOTH CUTTER CLUTCH	CLOCK / WATC	-3-	3	L--4-6	I-----
.885-062 TOOTH CUTTER PINIONS	CLOCK / WATC	-3-	4	S--4-6	I-----
.885-066 TOOTH CUTTER SPUR	CLOCK / WATC	-3-	3	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-042 PROFILING-MACHINE SET-UP OPERA	MACH SHOP	-2P	5	M--4-6	I-----
.782-070 TOOTH CUTTER ESCAPE WHEEL	CLOCK / WATC	-3-	4	L--4-6	I-----

605. BORING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-030 CHOKE REAMER	FIREARMS	-2-	3	L--4--	I--4---
.885-038 DOUBLE-REAMER OPERATOR	NONFER METAL	-1-	3	M--4--	I-----
.885-042 DRILLING-MACHINE OPERATOR AUTO	CLOCK / WATC	-2-	2	L--4--	I-----
.885-046 REAMER	CLOCK / WATC	-2-	3	S--4--	I-----
.782-030 DRILLER-AND-REAMER AUTOMATIC	MUSICAL INST	-2P	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 BORING-MACHINE OPERATOR	CLOCK / WATC	-2-	3	S--4--	I-----
.885-018 BORING-MACHINE OPERATOR PRODUC	MACH SHOP	-3-	2	M--4-6	I-----
.885-034 COUNTERBORER	CLOCK / WATC	-2P	3	M--4-6	I-----
.885-050 TAPPING-MACHINE OPERATOR AUTOM	CLOCK / WATC	-2-	2	L--4-6	I-----
.782-018 DRILL-PRESS OPERATOR PRODUCTIO	MACH SHOP	-3P	4	M--4--	I-----
.782-042 TAPPER OPERATOR	NUT / BOLT	-2-	5	H--4--	I--5--

Metal Machining

PHYS.D WK COND
HRP SVP 123456 1234567

606. BORING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 BALANCE-WHEEL-SCREW-HOLE DRILL CLOCK / WATC -3P 3 L--4-6 I-----
.885-026 CHAMFERING-MACHINE OPERATOR AMMUNITION -1- 2 L----6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-022 CHAMFERING-MACHINE OPERATOR AMMUNITION -3- 3 L--4-- I---5--
.782-022 DRILL-PRESS OPERATOR TAPE CONT MACH SHOP -3- 4 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-034 JIG BORER TAPE CONTROL MACH SHOP -3- 5 M--4-- I---5--

607. SAWING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 MAGNESIUM-MILL OPERATOR NONFER METAL -2- 2 M--4-- I---6-
.885-010 SCREW SLOTTER CLOCK / WATC -1- 2 L--4-- I-----
.782-018 PROFILE TRIMMER SILVERWARE -2P 4 L--4-6 I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-010 CUT-OFF-SAW OPERATOR METAL MACH SHOP -3P 4 M--4-- I-----
.782-022 SAW OPERATOR AIRCRAFT -3P 5 M--4-- I---56-

609. METAL MACHINING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 LABORER GENERAL MACH SHOP -2- 2 H-34-- I-----
.782-022 CROOK OPERATOR MUSICAL INST -2P 4 S--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010 ENGRAVER AUTOMATIC CLOCK / WATC -2- 2 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 FEEDER MULTI-PURPOSE MACHINE TYPEWRITERS -2- 2 S--4-- I-----
.885-018 MILLISKEENER CLOCK / WATC -2- 3 S--4-- I-----
.885-034 TURRET-LATHE OPERATOR TUMBLE T CLOCK / WATC -2- 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-022 PRODUCTION-MACHINE OPERATOR MACH SHOP -2- 3 M--4-6 I-----
.782-018 COLLET MAKER CLOCK / WATC -2P 5 L--4-6 I-----

609. METAL MACHINING, N.E.C. (CONT.)

.782-026 ELECTRICAL-DISCHARGE-MACHINE O	MACH SHOP	-3-	4	M--4-6	I-----
.782-038 MACHINE OPERATOR CENTRIFUGAL-C	ELEC EQUIP	-3-	4	L--4-6	I-----
.782-046 SCREWMAKER AUTOMATIC	CLOCK / WATC	-2-	5	L--4-6	I-----
.782-050 STRAIGHT-PIN-MAKING-MACHINE OP	NEEDLE PIN	-3-	5	H-34-6	I---56-
.782-054 TAPE-CONTROL MACHINE OPERATOR	MACH SHOP	-3-	5	M--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-030 TRIM-MACHINE OPERATOR	AMMUNITION	-3-	3	L--4--	I-----
--------------------------------	------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-026 TRANSFER-MACHINE OPERATOR	MACH SHOP	-3-	3	M--4--	I-----
.782-042 MULTI-PURPOSE MACHINE OPERATOR	MACH SHOP	-3-	4	M--4--	I---5--
.684-010 INSPECTOR GENERAL	ANY IND	-3-	2	M--4-6	I-----
.587-010 BALL SORTER	MACH MFG	-3-	2	M--4--	I-----
.484-010 INSPECTOR COLD WORKING	FIREARMS	-3-	4	M--4--	I-----
.382-010 INSPECTOR MAGNETIC	MACH SHOP	-3-	3	M--4-6	I-----
.381-014 PROPELLER INSPECTOR	SHIP / BOAT	-3-	5	L--4-6	B-----

METAL WORKING NOT ELSEWHERE
CLASSIFIED (610.-619.)

Occupations in this area are concerned with shaping and conditioning metal by rolling, forging, extruding, drawing out, punching, blanking, bending, and press working. The metal is frequently worked while heated to a plastic state.

Occupations in this area involve all eight combinations of cognitive capabilities. More than 40 percent of them demand only minimum cognitive capabilities. There are also substantial concentrations of occupations which demand moderate mathematics capabilities only, perceptual processing only, combined mathematics and perceptual processing, and all three cognitive capabilities combined. Mathematics demands are generally associated with dimensional specifications of products and verification of dimensions through the use of micrometers, unit weight charts, fixed gauges, and master templates. Demands for perceptual processing derive from the performance of activities such as detecting holes, burrs, cracks, or other defects; reshaping and polishing punches and dies to maintain specified contour; and verifying conformance of shapes to drawings. Language requirements are associated with interpretation of product specifications, verbal communications with supervisor and fellow workers, and recording production information.

Psychomotor skills are required for more than a third of the occupations for operational control or tending of machines. Knowledge of fundamental mechanical concepts is important for about one-fourth of the occupations for adjustment and maintenance of equipment.

Computer control of machines is a major trend in this area, especially in the larger-scale operations. Yet the area remains a relatively labor-intensive field with entry and career growth opportunities.

PHYS.D WK COND
 HRP SVP 123456 1234567

610. HAMMER FORGING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 BLACKSMITH HELPER FORGING -2P 5 M-34-- I-3-5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 SPRING SALVAGE WORKER SPRING -2- 4 M--4-6 I-3-5--

611. PRESS FORGING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014 HYDRAULIC OPERATOR NONFER METAL -2- 3 M--4-- I-----

611. PRESS FORGING

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-014 ROLLER-MACHINE OPERATOR
.782-018 STEEL-SHOT-HEADER OPERATOR

SPRING -2- 4 M--4-- I-3-5--
AMMUNITION -3P 4 M--4-6 I--45--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 FORGING-PRESS OPERATOR

FORGING -2- 2 H--4-6 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-022 UPSETTER

FORGING -3P 5 H--4-6 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 FORGING-PRESS OPERATOR

FORGING -2P 5 H--4-6 I-3-5--

612. FORGING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 HEAVY-FORGER HELPER
.885-010 LEVEL TENDER
.782-026 MANIPULATOR OPERATOR

FORGING -2- 3 H--4-6 I-3-5--
FORGING -2- 4 M--4-6 I-3-5--
FORGING -2P 5 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 SPRING TESTER
.782-014 BUCKSHOT-SWAGE OPERATOR
.782-030 NUT FORMER

SPRING -3P 2 M--4-- I---5--
AMMUNITION -3- 4 H-34-- I---6--
NUT / BOLT -2- 5 H--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.886-010 SPIKE-MACHINE FEEDER

NAIL -2- 2 M-34-6 I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-022 HEADER-MACHINE OPERATOR

FORGING -3- 4 H--4-6 I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018 FORGING-ROLL OPERATOR

FORGING -3- 4 H--4-6 I-3-5--

613. SHEET AND BAR ROLLING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 LINER ASSEMBLER

NONFER METAL -2- 3 M-34-- I---6--

613. SHEET AND BAR ROLLING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 PLUGGER
.886-010 CATCHER
.885-022 PIERCING-MILL OPERATOR
.885-034 TUBING-MACHINE OPERATOR

IRON / STEEL -2P 2 M--4-- I-----
IRON / STEEL -1P 2 M--4-- I-3-56-
IRON / STEEL -2P 3 M--4-- I-----
IRON / STEEL -2- 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010 BED OPERATOR

IRON / STEEL -2- 4 M--4-6 I-3-5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-046 ROLLER
.782-082 STRIP ROLLER
.687-010 MILL HAND PLATE MILL

JEWELRY -2- 4 L--4-6 I---5--
SPRING -3P 4 M----- I--4---
IRON / STEEL -2- 4 M--4-- I-3-56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 COILER
.885-026 ROLLER-LEVELER OPERATOR
.782-078 STRAIGHTENING-ROLL OPERATOR

IRON / STEEL -2P 3 M--4-6 I-----
IRON / STEEL -2- 4 M--4-- I----6-
ANY IND -2P 5 H-3456 I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-038 PIERCING-MACHINE OPERATOR
.782-070 SCREWDOWN OPERATOR

NONFER METAL -3- 5 M--4-6 I-3----
IRON / STEEL -3- 5 M--4-6 I-3-56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-030 ROLLING-MILL OPERATOR HELPER
.782-042 REELING-MACHINE OPERATOR

NONFER METAL -3P 4 M-34-- I---5--
IRON / STEEL -3P 5 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-034 MILL OPERATOR ROLLS

ANY IND -3- 4 M-34-- I---56-

614. EXTRUDING AND DRAWING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 DRAW-BENCH-OPERATOR HELPER
.886-018 LEAD-PRESS-OPERATOR HELPER
.885-022 REDUCING-MACHINE OPERATOR

NONFER METAL -2- 2 H--4-- I-----
RUBBER GOODS -2P 2 H-34-- I----67
OPTICAL GOOD -1- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-014 WIRE CHARGER

ELEC EQUIP -2- 2 H--4-- I-----

614. EXTRUDING AND DRAWING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-026 WIRE-DRAWING-MACHINE TENDER
.782-030 LEAD-PRESS OPERATOR

WIRE -2P 3 M--4-- I-----
RUBBER GOODS -3- 4 M--4-- I----67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-022 TESTER-OPERATOR HELPER
.885-014 EXTRUDING-PRESS OPERATOR
.885-018 EXTRUSION-PRESS OPERATOR
.884-010 TESTER-OPERATOR

NONFER METAL -2- 2 V--4-- I-----
AMMUNITION -2- 2 H-34-- I-3----
ELEC EQUIP -2- 3 M--4-- I-----
NONFER METAL -2P 3 V-34-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-026 FANCY-WIRE DRAWER
.782-038 WIRE DRAWER

JEWELRY -2- 4 L--4-- I-----
CLOCK / WATC -3P 4 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-010 DIE HOLDER
.782-014 DRAW-BENCH OPERATOR
.782-022 EXTRUSION-PRESS OPERATOR
.782-034 TUBE DRAWER

FORGING -3- 4 M--4-6 I-3----
IRON / STEEL -3P 4 H--4-6 I-----
ELEC EQUIP -3- 5 M--4-- I-----
IRON / STEEL -3- 4 M--4-6 I-----

615. PUNCHING AND SHEARING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 TIN STACKER
.886-010 HOOP-PUNCH-OPERATOR HELPER
.885-010 CLEARANCE CUTTER
.885-014 CUT-OFF-MACHINE OPERATOR
.885-022 SHEAR OPERATOR
.885-026 STRIP-METAL-PUNCH-AND-STRAIGHT
.782-042 PUNCH-PRESS OPERATOR AUTOMATIC
.782-054 SHEAR OPERATOR AUTOMATIC

TINWARE -1- 1 M--4-- I-----
COOPERAGE -2- 2 M--4-- I-----
CLOCK / WATC -1- 2 S--4-- I-----
AMMUNITION -3- 2 M--4-- I-----
ANY IND -2- 3 H--4-- I---567
WOOD BOX -2- 3 M--4-- I-----
ANY IND -2P 5 H--4-6 I---56-
ANY IND -3P 4 M--4-6 I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-030 TURRET-PUNCH-PRESS OPERATOR TA
.782-022 FLYING-SHEAR OPERATOR

ANY IND -2- 3 H--4-6 I---56-
IRON / STEEL -3P 5 M--45- I-3-56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-010 ANGLE-SHEAR OPERATOR
.782-046 ROTARY-SHEAR OPERATOR

ANY IND -2- 4 H--4-6 I---567
ANY IND -2P 4 H-34-- I---56-

615. PUNCHING AND SHEARING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-014 BURRING-MACHINE OPERATOR	NUT / BOLT	-2-	4	L--4--	I-----
.782-026 HOOP-PUNCH OPERATOR	COOPERAGE	-2P	4	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-019 NIBBLER OPERATOR	ANY IND	-3P	3	M--4--	I---56-
.782-062 TURRET-PUNCH-PRESS OPERATOR	ANY IND	-3-	5	H-34-6	I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-030 IRONWORKER-MACHINE OPERATOR	ANY IND	-3-	4	M-34--	I---56-
--------------------------------------	---------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-018 DUPLICATOR-PUNCH OPERATOR	ANY IND	-3-	5	H-34-6	I---56-
.782-034 PUNCH-PRESS OPERATOR	ANY IND	-3P	5	H--4-6	I---56-
.782-038 PUNCH-PRESS OPERATOR	ANY IND	-3P	4	H--4-6	I---567
.782-050 SHEAR OPERATOR	ANY IND	-3P	4	H--4-6	I---567
.782-058 SLITTING-MACHINE OPERATOR	ANY IND	-3P	5	M--4--	I---56-

616. FABRICATING MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 STRANDING-MACHINE-OPERATOR HEL	WIREWORK	-1-	2	M--4--	I-----
.887-014 WIRE-WEAVER HELPER	WIREWORK	-2-	2	H-34-6	I---5--
.885-014 BENCH-LOOM WEAVER	WIREWORK	-1P	3	L--4--	I-----
.885-018 CHAIN-FORMING-MACHINE OPERATOR	FORGING	-2-	4	M--4--	I-----
.885-022 CLINCHING-MACHINE OPERATOR	ELEC EQUIP	-1-	2	L--4-6	I-----
.885-026 COIL ASSEMBLER MACHINE	MATT / BEDSP	-3P	4	M--4--	I---5--
.885-038 HEDDLE-MACHINE OPERATOR	MACH MFG	-2-	3	M--4--	I-----
.885-042 METAL-SPONGE-MAKING-MACHINE OP	NONFER METAL	-2-	3	M--4--	I-----
.885-046 MULTI-OPERATION FORMING-MACHIN	ANY IND	-3-	2	M--4--	I---5--
.885-050 PAPERBACK-MACHINE OPERATOR	WIREWORK	-3-	3	L--4--	I---5--
.885-054 POCKET-MACHINE OPERATOR	MATT / BEDSP	-3-	3	L--4--	I-----
.885-058 RIVETER	LIGHT FIX	-1-	2	L--4--	I---5--
.885-062 RIVETING-MACHINE OPERATOR	FURN	-2P	2	M--4--	I---5--
.885-066 SCROLL-MACHINE OPERATOR	STRUCT / ORN	-2-	2	M--4--	I---5--
.885-074 SLAT TWISTER	MATT / BEDSP	-2-	2	M--4--	I-----
.885-082 SPIRAL WEAVER	WIREWORK	-3-	3	L--4--	I---5--
.885-090 SWAGER OPERATOR	PEN / PENCIL	-1-	2	L--4-6	I---5--
.885-094 SWEEP-PRESS OPERATOR	CLOCK / WATC	-1-	2	L--4--	I-----
.885-098 TENSIONING-MACHINE OPERATOR	CONC PROD	-3P	2	L--4--	O-----
.885-110 ZIPPER CUTTER	NEEDLE PIN	-2-	2	L--4--	I-----
.782-010 ARBOR-PRESS OPERATOR	ANY IND	-2-	4	M--4--	I-----
.782-014 BALE-TIE-MACHINE OPERATOR	WIREWORK	-3-	4	M--4--	I---5--
.782-018 BARBED-WIRE-MACHINE OPERATOR	WIREWORK	-2P	5	M-34--	I---56-

616. FABRICATING MACHINE WORK (CONT.)

.782-022 CAGE MAKER MACHINE	CONC PROD	-3P	4	L-34--	I-----
.782-038 KICK-PRESS OPERATOR	ANY IND	-3-	4	L--4-6	I----6-
.782-042 NAIL-ASSEMBLY-MACHINE OPERATOR	NAIL	-2-	4	M--4--	I-----
.782-050 STRANDING-MACHINE OPERATOR	ELEC EQUIP I	-3-	5	M-34--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-034 FENCE-MAKING MACHINE OPERATOR	WIREWORK	-3P	4	L--4-6	I---5--
.782-054 HYDRAULIC PRESS OPERATOR	CONST	H3-	4	M--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BENCH WORKER	SPRING	-3P	3	L--4--	I---5--
.780-018 SHOTGUN-SHELL-ASSEMBLY-MACHINE	AMMUNITION	-3-	4	L-3456	I---56-
.685-014 LOAD TESTER	SPRING	-2-	3	M--4--	I---5--
.484-010 TRUER	SPRING	-3P	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-030 FABRIC-MACHINE OPERATOR	MATT / BEDSP	-2P	3	L--4--	I-----
.885-034 FILAMENT MAKER	ELECTRONICS	-2-	2	S--4-6	I-----
.885-078 SPIRAL SPRING WINDER	SPRING	-2-	2	L--4-6	I-----
.885-106 WIRE-SCREEN WEAVER MACHINE	WIREWORK	-2-	3	L--4--	I---5--
.780-030 TRIM-MACHINE ADJUSTER	AMMUNITION	-3-	3	M--4-6	I---6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-086 SPRING COILER	SPRING	-2-	3	L--4--	I---5--
.782-026 CRIMPING-MACHINE OPERATOR	ANY IND	-2-	5	L--4--	I-----
.780-022 SPADE-WINDING-MACHINE ADJUSTER	ELECTRONICS	-3-	3	L-3456	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-070 SIDE-SEAM TENDER	TINWARE	-3-	3	L--4-6	I---5--
---------------------------	---------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-046 SAFETY-PIN-ASSEMBLING-MACHINE	NEEDLE PIN	-3-	5	H-34-6	I---56-
.685-010 CHAIN-TESTING-MACHINE OPERATOR	FORGING	-2-	4	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-102 WIRE COINER	NEEDLE PIN	-3-	3	M--4-6	I-----
.780-014 NAIL-MAKING-MACHINE SETTER	NAIL	-3-	4	M-34--	I---56-
.780-026 STRAIGHT-LINE-PRESS SETTER	AMMUNITION	H3P	4	M-34-6	I---5--

617. METAL FORMING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 HOOP COILER
 .885-010 BELLING-MACHINE OPERATOR
 .885-014 BENDING-MACHINE OPERATOR
 .885-018 CORNER FORMER
 .885-022 HALF-HEAD AND STAMP-PRESS OPER
 .885-038 POWER-PRESS TENDER
 .885-042 PUNCH-PRESS OPERATOR
 .885-046 RIPPER
 .885-053 SWAGER AND PIERCER
 .885-088 TRIMMING-PRESS OPERATOR
 .782-014 BEADING-MACHINE OPERATOR
 .782-046 SPRING FORMER MACHINE

COOPERAGE -1- 2 M--4-- I-----
 IRON / STEEL -2- 3 M--4-- I-----
 ANY IND -2- 3 M--4-- I-----
 WOOD BOX -1P 3 L--4-- I-----
 AMMUNITION -2- 2 L--4-- I---5--
 ANY IND -1- 3 L--4-- I-----
 ANY IND -1- 3 H--4-- I---56-
 FURN -1- 2 L--4-- I-----
 CLOCK / WATC -1- 3 L--4-- I-----
 FORGING -1- 2 H--4-- I-3-56-
 ANY IND -2P 5 H--4-6 I---5--
 SPRING -2- 4 M--45- --3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-026 KNITTER WIRE MESH

WIREWORK -3P 2 M--4-6 I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-030 KNURLING-MACHINE OPERATOR
 .885-050 ROLL-FORMING-MACHINE OPERATOR
 .782-010 BARREL-DE-DENTING-MACHINE OPER
 .782-038 HOBBING-PRESS OPERATOR
 .782-054 TUBE BENDER BRASS-WIND INSTRUM

NEEDLE PIN -2- 3 L--4-- I---5--
 ANY IND -3- 2 M--4-- I---56-
 MALT LIQUORS -3- 4 M--4-- I-----
 ANY IND -3- 4 L--4-6 I-----
 MUSICAL INST -2- 4 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-026 EMBOSsing-MACHINE OPERATOR

NONFER METAL -3- 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-034 NAIL-MAKING-MACHINE TENDER
 .885-054 SINTERING-PRESS OPERATOR
 .885-062 SWAGING-MACHINE OPERATOR
 .782-018 BENDING-MACHINE OPERATOR
 .782-022 BUMPER OPERATOR
 .782-030 FORMING-ROLL OPERATOR
 .782-042 ROLL-FORMING-MACHINE OPERATOR
 .782-050 STRAIGHTENING-PRESS OPERATOR
 .780-010 KICK PRESS SETTER
 .780-014 SWAGING-MACHINE ADJUSTER

NAIL -2- 2 M-34-- I---5--
 IRON / STEEL -2- 2 L--4-- I-----
 AMMUNITION -3- 2 M-34-- I---5--
 ANY IND -3- 5 M--4-- I---5--
 AIRCRAFT MFG -3P 5 M--4-- I-----
 ANY IND -3- 5 H--4-6 I---5--
 ANY IND -3P 5 M--4-6 I---56-
 ANY IND -3- 5 M-3456 I---56-
 BUTTON -3- 2 L--4-6 I-----
 AMMUNITION H3- 2 M-34-6 I---5--

619. MISCELLANEOUS METALWORKING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COIL BINDER
 .887-018 PITCH FILLER

NONFER METAL -1P 2 L--4-- I---5--
 ANY IND -2P 2 M--4-- I-----

619. MISCELLANEOUS METALWORKING, N.E.C. (CONT.)

.886-010 AUTOMATIC STACKER	TINWARE	-1-	2	M--4--	I---5--
.886-014 BOILER-SHOP HELPER	BOILERMAKING	-2-	2	H-34--	I---56-
.886-018 FORGE HELPER	FORGING	-2-	2	H-34--	I-3-56-
.886-022 HOOP-MAKER HELPER MACHINE	COOPERAGE	-2-	2	M--4--	I-----
.886-026 HOPPER FEEDER	AMMUNITION	-1-	2	V2-4--	I---56-
.886-030 MACHINE FEEDER	ELEC EQUIP	-1-	1	L--4--	I-----
.886-034 MACHINE FEEDER	ANY IND	-2-	1	M--4--	I---56-
.886-042 STRETCHER-LEVELER-OPERATOR HEL	NONFER METAL	-2-	2	M--4--	I-----
.885-010 BAND MAKER	AGRIC	-1-	2	L--4--	I-----
.885-014 BANDING-MACHINE OPERATOR	AMMUNITION	-2P	3	M-34--	I-----
.885-018 BANDING-MACHINE OPERATOR	FURN	-2P	2	L--4--	I-----
.885-022 BOBBIN-WINDER TENDER	GLASS MFG	-2P	2	M--4--	I-----
.885-030 BUNDLING-MACHINE-OPERATOR	FORGING	-2-	2	M--4--	I-----
.885-038 DRUM STRAIGHTENER	ANY IND	-2-	2	H-34--	I---5--
.885-050 FORMING-ROLL OPERATOR	ANY IND	-2-	2	H-34--	I---5--
.885-058 HEAD-GAGE-UNIT OPERATOR	AMMUNITION	-2P	2	M--4--	I-----
.885-062 HEEL-WASHER-STRINGING-MACHINE	RUBBER GOODS	-2-	2	L--4-6	I-----
.885-066 KNURLING-MACHINE OPERATOR	NAIL	-1-	2	M-34--	I---5--
.885-078 PRODUCTION-MACHINE TENDER	NUT / BOLT	-2-	2	M--4--	I---5--
.885-082 REPAIRER SHOE STICKS	RUBBER GOODS	-2P	2	M--4--	I---5--
.885-090 SHEET-METAL PRODUCTION WORKER	ANY IND.	-2P	3	M-34--	I---5--
.885-094 SPINNING-LATHE OPERATOR AUTOMA	ANY IND	-2-	2	L--4--	I---5--
.885-106 WINDING-LATHE OPERATOR	AMMUNITION	-2P	3	M--4--	I-----
.885-110 WINDING-MACHINE OPERATOR	CONC PROD	-3P	2	L--4--	B-----
.885-114 WIRE-WINDING-MACHINE OPERATOR	WOOD BOX	-2-	2	H--4--	I-----
.782-018 BULLET-GROOVING-SIZING-AND-LUB	AMMUNITION	-3-	4	H234--	I-----
.782-022 COUPLING-MACHINE OPERATOR	IRON / STEEL	-2-	4	M--4--	I-----
.782-026 FISHING ACCESSORIES MAKER	SPORTS EQUIP	-3P	4	L--4-6	I---5--
.782-030 FITTINGS FINISHER	PLUMB SUPPLI	-2P	4	L--4--	I---6--
.782-050 HOOP MAKER MACHINE	COOPERAGE	-3-	4	M-34--	I---56-
.782-054 HOOP-FLARING-AND-COILING-MACHI	COOPERAGE	-2-	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-070 MACHINE OPERATOR	ANY IND	-3P	4	H-34--	I---567
.885-086 ROD-PULLER AND COILER	NONFER METAL	-2P	2	M--4--	I-----
.885-098 SPOOL WINDER	NONFER METAL	-2P	3	M--4--	I-----
.782-042 HEATER	FORGING	-2P	5	H-34-6	I-3-5--
.782-046 HOOP BENDER TANK	COOPERAGE	-2P	4	M--4--	I-----
.782-058 HYDRAULIC-PRESSURE-AUTO-FRETTA	FIREARMS	-2P	5	M--4--	I-----
.782-062 LATHE WINDER	SPRING	-3P	4	L--4--	I---5--
.782-074 ROLL-THREADER OPERATOR	NUT / BOLT	-2-	5	H--4--	I---5--
.782-082 SEAMLESS-TUBE ROLLER	IRON / STEEL	-2-	5	M--4--	I-----
.782-106 TRIMMER OPERATOR	NUT / BOLT	-2-	5	H--4--	I---5--
.782-110 TYPE-ROLLING-MACHINE OPERATOR	TYPEWRITERS	-3-	4	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 MACHINE HELPER	ANY IND	-2P	3	H-34--	I---56-
.886-038 SPIKE-MACHINE HEATER	NAIL	-1-	2	H--4--	I---5--

Metal Working Not Elsewhere Classified

PHYS.D WK COND

HRP SVP 123456 1234567

619. MISCELLANEOUS METALWORKING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-026 BRAKE OPERATOR	ANY IND	-2-	4	H-34--	I---56-
.885-042 EMBOSSING-MACHINE OPERATOR	AMMUNITION	-2-	2	L--4--	I---5--
.885-046 ETCHER MACHINE	CUT TOOLS	-2-	4	M--4--	I-----
.885-074 METALLIC-YARN-SLITTING-MACHINE	NONFER METAL	-2P	3	L--4-6	I-----
.885-102 TWISTING-MACHINE OPERATOR	ANY IND	-2-	2	M-34--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 FORMER HELPER HAND	ANY IND	-3P	3	H-34-6	I-3-567
.782-070 ROLL OPERATOR SHEET METAL	ANY IND	-3-	5	H-34-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-054 FOUR-SLIDE-MACHINE OPERATOR	ANY IND	-2-	3	M--4--	I---5--
.884-014 ORNAMENTAL-METAL-WORKER HELPER	FABRIC METAL	-2P	5	M-34-6	I-3-56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-034 COIL-REWIND-MACHINE OPERATOR	NONFER METAL	-2P	3	M--4--	I----6-
.782-078 SAMPLER FIRST	ORE DRESS SM	-3P	5	M--4--	I-----
.782-086 SHRINK-PIT OPERATOR	FIREARMS	-3P	5	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-102 STRETCHER-LEVELER OPERATOR	NONFER METAL	-3-	5	M--4--	I-----
.387-010 SALVAGE WORKER	NONFER METAL	-3-	4	M-34-6	I-----

MECHANICAL REPAIRING (620.-639.)

Occupations in this area are concerned with the installation, inspection, testing, repairing, rebuilding, and maintenance of a wide variety of mechanical equipment such as engines, automobiles, trucks, buses, and the machinery used in domestic, commercial, industrial, and agricultural activities.

Nearly 40 percent of the occupations in this area demand only minimum cognitive capabilities. There are also occupations in this area which demand each of the other seven combinations of cognitive capability, with concentrations of occupations demanding perceptual processing only, a combination of language and mathematics, and a combination of all three types. Perceptual processing demands derive from activities such as listening to operating equipment to detect signs of bearing failure, excessive clearance, seizing of parts, and faulty meshing of gears; feeling for excessive vibration or temperature; detecting abnormal exhaust; and the envisioning of functional relationships from the reading of diagrams. Language demands derive from activities such as verbal communications about malfunction symptoms, interpretation of work procedures and product specifications, and the completion of work logs. Mathematics demands derive from activities such as measuring dimensional values of components to verify tolerances, quantifying performance characteristics of equipment, and computation of time and labor charges.

More than 40 percent of the occupations in this area demand substantial psychomotor skill for activities such as manipulating hand tools, assembling parts, and making fine repairs. About three-fourths of the occupations demand substantial knowledge of the mechanical principles by which equipment operates to perform nonroutine activities, especially troubleshooting.

Although there are only 86 occupational titles listed for this area, there are usually many jobs for each title and they tend to be widely distributed by industry and geography. There are typically numerous opportunities for career progression for individuals who develop superior technical skills. However, there is also frequently a need to learn the characteristics of new equipment models as they become available.

PHYS.D WK COND
HRP SVP 123456 1234567

620. MOTORIZED VEHICLE AND ENGINEERING EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 BRAKE ADJUSTER	AUTO SER	-2- 2	L--4-- B-----
.884-018 CLUTCH REBUILDER	AUTO SER	-3- 4	M--4-6 I-----
.884-022 CONSTRUCTION-EQUIPMENT-MECHANIC	CONST	-2- 3	M-34-- I--4---
.884-034 ENGINEERING-EQUIPMENT-MECHANIC	CONST	-2- 3	H-34-- I--4-67
.884-050 TRACTOR-MECHANIC HELPER	ANY IND	-2- 4	H-34-- I--4--7
.884-058 WRECKER	WHOLE TR	-2P 4	H23--- B-----

Mechanical Repairing

PHYS.D WK COND
HRP SVP 123456 1234567

620. MOTORIZED VEHICLE AND ENGINEERING EQUIPMENT REPAIRING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-042 SPRING REPAIRER HELPER, HAND AUTO SER -2P 4 H--4-- I---5--
.884-054 USED-CAR RENOVATOR RET TR -3P 4 M--4-- B-----
.384-014 TESTER MOTOR AUTO MFG -3- 4 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 BONDER AUTOMOBILE BRAKES AUTO SER -3P 3 L--4-- I-3---7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 AUTOMOBILE-MECHANIC HELPER AUTO SER -3- 3 H-34-- I--4---
.884-026 ELECTRIC-GOLF CAR REPAIRER AUTO SER -3- 5 M--4-6 I-----
.884-030 ELECTRIC-TRUCK REPAIRER ANY IND -3- 5 M-34-6 I-----
.884-038 MOTORCYCLE SUBASSEMBLY REPAIR MOTOR / BICY -3- 5 H-3456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-046 SQUEAK, RATTLE, AND LEAK REPAIR AUTO SER H3P 4 M-3456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 BRAKE-DRUM-LATHE OPERATOR AUTO SER -3P 5 M-34-6 I-----
.384-010 MOTORCYCLE TESTER MOTOR / BICY -3- 5 M-345- I-----

621. AIRCRAFT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 RECLAMATION WORKER WHOLE TR -2- 4 M234-- B----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 AIRCRAFT-AND-ENGINE-MECHANIC H AIR TRANS -3P 5 M-34-6 B-----

622. RAIL EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-018 SWITCH REPAIRER RR TRANS -2- 5 L-34-6 O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014 CAR REPAIRER HELPER LOCO / CAR B -3P 5 M234-- B---5--

622. RAIL EQUIPMENT REPAIRING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-022 TANK-CAR INSPECTOR

COMP / LIQUE -3- 4 M-34-6 B----6-

623. MARINE EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 MACHINIST HELPER OUTSIDE

SHIP / BOAT -2- 3 M--4-- O-----

.884-010 MOTORBOAT-MECHANIC HELPER

ANY IND -2- 3 M--4-- B-----

624. FARM MACHINERY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 GREASER

AGRIC -2- 4 H-34-- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-010 ASSEMBLY REPAIRER

AGRIC EQUIP -3- 5 M-34-- I-----

625. ENGINE, POWER TRANSMISSION, AND RELATED EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 DIESEL-MECHANIC HELPER

ANY IND -2- 3 M--4-- I-----

626. METALWORKING MACHINERY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.781-010 CASE-FINISHING-MACHINE ADJUSTE

AMMUNITION -3- 5 L--4-- I--5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 TONG REPAIRER

NONFER METAL -3P 4 M--4-- I-----

.884-014 UTILITY WORKER, MERCHANT MILL

IRON / STEEL -3P 5 M--4-- I--5--

628. TEXTILE MACHINERY AND EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FLYER REPAIRER

TEXTILE -2P 3 L--4-- I-----

.884-018 NEEDLE STRAIGHTENER

HOSIERY KNIT -2P 4 S--4-6 I-----

.884-022 OVERHEAD CLEANER MAINTAINER

TEXTILE -3- 2 L2-4-- I--5--

Mechanical Repairing

PHYS.D WK COND
HRP SVP 123456 1234567

628. TEXTILE MACHINERY AND EQUIPMENT REPAIRING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.684-010 PARTS INSPECTOR TEXTILE MACHIN TEXTILE -3- 3 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 QUILL REAMER TEXTILE -2P 2 L--4-- I-----
.884-010 ASSEMBLER HALF LAP TEXTILE -3P 3 L--4-- I-----
.884-034 SPINDLE PLUMBER TEXTILE -2P 5 L-34-6 I-3-5-7
.884-038 WIRE REPAIRER CARPET / RUG -2P 3 L--4-6 I-----
.782-010 FLAT CLOTHIER TEXTILE -3P 5 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-014 NEEDLE SETTER TEXTILE -2- 4 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-030 SHUTTLE FIXER TEXTILE -3P 2 L--4-- I-----
.782-014 ROLLER COVERER TEXTILE -3P 4 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-026 REED REPAIRER TEXTILE -3P 5 M--4-6 I-----

629. SPECIAL INDUSTRY MACHINERY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 CURING-PRESS MAINTAINER RUBBER TIRE -2P 2 M--4-- I-34---
.884-014 DRUM REPAIRER TOBACCO -2- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 LABORATORY HELPER MACH MFG -3- 4 M--4-- I-----
.782-014 ROLL GRINDER RUBBER RECLA -3P 5 M--4-6 I---567
.781-010 FOILING-MACHINE ADJUSTER AMMUNITION -3- 5 L--4-- I---5--

630. GENERAL INDUSTRY MACHINERY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-026 PUMP-SERVICER HELPER ANY IND -2- 5 M-34-- B-----
.884-034 REPAIRER HELPER ORE DRESS SM -2- 3 H234-- B---56-
.884-046 WHEEL-AND-CASTER REPAIRER ANY IND -2- 2 M--4-- I-----

630. GENERAL INDUSTRY MACHINERY REPAIRING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-012 BELT REPAIRER ANY IND -2P 4 L---6 I-----
.884-038 SCREEN-AND-CYCLONE REPAIRER MINING / QUA -3- 4 M--4-- I-----
.884-042 SCREEN REPAIRER, CRUSHER MINING / QUA -2P 4 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 ANODE REBUILDER ORE DRESS SM -3P 5 M--4-- I---6-
.884-014 EQUIPMENT-CLEANER-AND-TESTER ORE DRESS SM -3- 4 M234-- I---567
.884-030 REPAIRER II CHEM -3- 4 H234-6 B-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 FIXTURE REPAIRER-FABRIATOR ANY IND -2P 5 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-022 PUMP INSTALLER ANY IND -3P 5 H-34-- B--4---
.780-010 POLISHING-WHEEL MAKER ABRASIVE / P -3P 5 M--4-6 I-----
.382-010 PUMP TESTER MACH MFG -3- 5 M-345- I-----

631. POWERPLANT MACHINERY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PULLEY MAINTAINER MINING / QUA -1- 3 H234-- I---567
.887-014 TRACK-REPAIRER HELPER CONST -2- 2 M-34-- O-----
.884-010 HYDROELECTRIC-MACHINERY-MECHAN LIGHT HEAT -2- 3 H234-- I---56-
.884-014 POWERHOUSE REPAIRER HELPER LIGHT HEAT -3- 5 H234-- I-----

632. ORDNANCE AND ACCESSORY REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.780-014 INSPECTING-MACHINE ADJUSTER AMMUNITION -3P 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 GYMNASIATOR OPERATOR FIREARMS -3P 5 M--4-- I-----
.780-010 GAGE-AND-WEIGH-MACHINE ADJUSTE AMMUNITION -3P 3 L-3456 I-----
.780-018 LOADING-MACHINE ADJUSTER AMMUNITION H3P 3 L-3456 I---6-
.780-026 PRIMER-INSERTING-MACHINE ADJUS AMMUNITION -3- 5 M-34-6 I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-010 GUN SYNCHRONIZER FIREARMS -3P 5 M--456 I-----
.780-022 LOADING-UNIT TOOL-SETTER AMMUNITION -3P 5 L-34-6 I---6-

Mechanical Repairing

PHYS.D WK COND
HRP SVP 123456 1234567

632. ORDNANCE AND ACCESSORY REPAIRING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.780-030 PRIMER-WATERPROOFING-MACHINE A	AMMUNITION	-3-	3	L-34-6	I---567
.780-034 RIM-FIRE-PRIMING TOOLSETTER	AMMUNITION	-3-	4	M-34-6	I----6-
.780-038 VARNISHING-UNIT TOOLSETTER	AMMUNITION	-3-	3	L--4--	I-----

637. UTILITY EQUIPMENT REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 AIR-CONDITIONING-MECHANIC HELP	ANY IND	-2-	3	H234--	B----6-
.887-014 REFRIGERATION-MECHANIC HELPER	ANY IND	-2-	2	H-345-	I2--567
.884-018 PUMP-ERECTOR HELPER	CONST	-2-	3	H-34--	O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014 GAS-APPLIANCE-SERVICER HELPER	ANY IND	-3-	4	H2-4-6	B----7
.684-010 QUALITY-CONTROL TECHNICIAN	COIN MACH	-2-	3	L--4-6	I-----

638. MISCELLANEOUS MACHINE INSTALLATION AND REPAIRING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 MAINTENANCE-MECHANIC HELPER	ANY IND	-3P	4	H-34--	I----6-
.884-014 MILLWRIGHT HELPER	ANY IND	-2P	3	H2-4--	I-----

639. MECHANICAL REPAIRING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 LAWN-MOWER REPAIRER	ANY IND	-3P	4	M-34-6	I-----
.884-018 SEWING-MACHINE-REPAIRER HELPER	ANY IND	-2-	4	M-34--	I-----
.281-010 COIN-MACHINE SERVICER	BUS SER	-2-	5	M-34--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 BICYCLE REPAIRER	ANY IND	-3-	4	M--4-6	I-----
---------------------------	---------	-----	---	--------	--------

PAPERWORKING (640.-649.)

Occupations in this area are concerned with cutting, scoring, joining, and otherwise machining paper and paper products.

Although occupations in this area demand all eight different combinations of cognitive capabilities, about half of the occupations make only minimum cognitive demands and about a quarter demand only perceptual processing beyond a minimum level. Perceptual processing demands derive largely from constant observation of paper materials and products as they pass through machinery in order to adjust operational control and discard defective products. Language demands involve verbal communications, reading routine work orders, and entering product data on work tickets. Mathematics demands are generally limited to counting and recording of production data, but sometimes extend to making routine machine adjustments and measuring substances such as adhesive mixes.

About one-fifth of the occupations have substantial psychomotor requirements, usually associated with operational control of equipment. These requirements are tending to become less stringent as increasingly sophisticated equipment is developed. Basic mechanical knowledge would be a definite asset for about half of the occupations in support of machine setup and minor maintenance.

Increasingly efficient machines are tending to hold down the growth of job opportunities in this area. There are limited entry and progression opportunities.

PHYS.D WK COND
HRP SVP 123456 1234567

640. PAPER CUTTING, WINDING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	ROTARY-CUTTER HELPER	PAPER / PULP	-2-	2	M234--	I----	56-
.885-010	BOOK TRIMMER	PRINT / PUB	-2P	4	L--4-6	I-----	6-
.885-014	BOOK-JACKET-COVER-MACHINE OPER	PAPER GOODS	-3P	3	L--4--	I-----	
.885-022	COMPENSATOR	PAPER GOODS	-1P	2	S--4-6	I---5--	
.885-038	LABEL-SLITTING-MACHINE OPERATO	TOBACCO	-2-	2	L--4--	I-----	
.885-042	PANEL-MACHINE OPERATOR	PAPER GOODS	-1-	2	L--4--	I---5--	
.885-050	PAPER-CORE-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I-----	
.885-058	PROCESS-MACHINE OPERATOR	PAPER GOODS	-2-	3	M-34--	I---56-	
.885-070	ROLL RECLAIMER	PAPER GOODS	-2P	2	L--4--	I-----	
.885-078	ROLLING-MACHINE OPERATOR	WALLPAPER	-2-	2	M--4--	I-----	
.885-094	TIGHTENING-MACHINE OPERATOR	PAPER GOODS	-1-	2	L--4--	I-----	

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-046	PAPER CUTTER	DISTILLED LI	-3P	2	L--4--	I-----	
.885-090	SLOTTER OPERATOR	PAPER GOODS	-2-	2	M--4--	I-----	

640. PAPER CUTTING, WINDING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-054 PAPER-REEL OPERATOR PAPER GOODS -3P 3 M--4-- I---5--
 .885-098 TUBE SIZER-AND-CUTTER OPERATOR AMMUNITION -2- 3 M234-- I-----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 SPIRAL-TUBE-WINDER HELPER PAPER GOODS -2- 2 M-34-- I-----
 .885-018 COMB-MACHINE OPERATOR MATCH -3- 3 H--4-- I-----
 .885-026 CORNER CUTTER PAPER GOODS -2P 2 L--4-- I-----
 .885-030 CUT-OFF-MACHINE OPERATOR PAPER GOODS -2- 3 M--4-6 I---5-6-
 .885-034 CUT-OFF-MACHINE OPERATOR AUTOM PAPER GOODS -2- 2 M--4-6 I-----
 .885-062 REWINDER OPERATOR PAPER GOODS -2P 2 L--4-- I---56-
 .885-066 RIBBON-HANKING-MACHINE OPERATO PAPER GOODS -3P 2 L--4-- I-----
 .885-074 ROLL-SLICING-MACHINE TENDER PEN / PENCIL -3- 2 L--4-- I-----
 .885-082 RUF-SPOOLING-MACHINE OPERATOR PAPER GOODS -3- 2 L--4-- I-----
 .782-010 CONVOLUTE-TUBE WINDER PAPER GOODS -3- 4 H--4-- I-----
 .782-018 SPIRAL-TUBE WINDER PAPER GOODS -3P 4 M--4-- I---56-
 .782-022 CORE WINDING OPERATOR PAPER / PULP -2P 5 L2-4-6 I---56-
 .687-010 ROLLER EXAMINER PAPER / PULP -2- 1 L--4-6 I-3----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-102 TUBE-WINDING-MACHINE OPERATOR PAPER GOODS -3- 3 M-34-6 I-34-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-106 WHITE-TUBE STRIPPER PAPER / PULP -2- 2 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-086 SHEETER CARBON PAPER PEN / PENCIL -3P 3 H--456 I-----

641. FOLDING, CREASING, SCORING, AND GLUING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 LINER-MACHINE-OPERATOR HELPER PAPER GOODS -2- 2 M--4-- I-----
 .886-010 PAPER-BAG-PRESS OPERATOR PAPER GOODS -1- 2 S--4-- I-----
 .886-014 PRINTER-SLOTTER FEEDER PAPER GOODS -2- 2 H--4-- I---5--
 .886-018 SCORER HELPER PAPER GOODS -1- 1 M2-4-- I---5--
 .886-022 SLEEVE PAPER GOODS -1- 2 S--4-6 I---5--
 .886-026 TUBE-MACHINE-OPERATOR HELPER PAPER GOODS -2- 2 M234-- I---56-
 .885-014 AUTOMATIC-MACHINE ATTENDANT PAPER GOODS -2- 2 L--4-- I-----
 .885-018 BAR CREASER PAPER GOODS -2- 3 L--4-- I-----
 .885-022 BENDER MACHINE PAPER GOODS -1- 3 L--4-- I-----
 .885-026 BOARD-LINER OPERATOR WOOD BOX -2- 3 M--4-- I-----
 .885-030 BOX-LINING MACHINE FEEDER PAPER GOODS -2- 2 L--4-- I-----
 .885-034 CARTON-FORMING-MACHINE OPERATO ANY IND -2- 3 M-34-- I---56-

641. FOLDING, CREASING, SCORING, AND GLUEING (CONT.)

.885-042 COVER STRIPPER	PAPER GOODS	-2-	2	L--4--	I-----
.885-046 ENDING-MACHINE OPERATOR	PAPER GOODS	-2-	3	L--4--	I-----
.885-054 EXTENSION EDGER	PAPER GOODS	-2-	2	L--4--	I-----
.885-058 FOLDING-MACHINE FEEDER	PAPER GOODS	-2-	2	L--4--	I-----
.885-062 FOUR-CORNER-STAYER-MACHINE OPE	PAPER GOODS	-2-	2	L--4--	I-----
.885-070 LINER-MACHINE OPERATOR	PAPER GOODS	-2-	3	L--4--	I-----
.885-082 SCORER	PAPER GOODS	-2-	3	M--4--	I-----
.885-086 SEALING-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I---5--
.885-098 STRING-TOP SEALER	PAPER GOODS	-2-	2	L--4--	I-----
.885-102 STRIPPING-MACHINE OPERATOR	PAPER GOODS	-2-	6	L--456	I-----
.885-106 VALVING-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4-6	I---5--
.885-110 WRAPPING-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I-----
.782-022 SHELL-MACHINE OPERATOR	EXPLOSIVES	-3-	5	L--4-6	I-----
.782-026 SLITTER-CREASER-SLOTTER OPERAT	PAPER GOODS	-3-	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 APPLE-LINER MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I-----
.885-038 CARTON-FORMING-MACHINE TENDER	PAPER GOODS	-2-	2	M--4--	I-----
.885-050 ENVELOPE-MACHINE OPERATOR	PAPER GOODS	-3-	4	L--4-6	I-----
.885-066 LINER LOOSELEAF BINDER	PRINT / PUB	-2-	2	L--4--	I-----
.885-074 MOUNTING-MACHINE OPERATOR	PRINT / PUB	-2-	3	L--4-6	I-----
.885-078 PATCH-MACHINE OPERATOR	PAPER GOODS	-2-	2	L--4--	I---5--
.885-090 SLIDE-FORMING-MACHINE TENDER	MATCH	-2-	2	M--4--	I-----
.885-094 SLIDE-MACHINE TENDER	MATCH	-2-	2	L--4--	I-----
.782-010 EMBOSOGGRAPH OPERATOR	ANY IND	-3-	4	L--4--	I-----
.782-014 NEW-ERA-UNIT OPERATOR	PRINT / PUB	-3P	4	L--4--	I-----
.782-018 PLATEN-PRESS OPERATOR	PAPER GOODS	-3P	5	M--4--	I---5--
.782-030 TUBE-MACHINE OPERATOR	PAPER GOODS	-3-	4	M234-6	I---56-

642. PAPER SEWING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BAG SEWER	PAPER GOODS	-1-	2	S--4-6	I---5--
--------------------	-------------	-----	---	--------	---------

643. PAPER CORRUGATING

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 CORRUGATOR-OPERATOR HELPER	PAPER GOODS	-2-	2	H--4--	I---5--
-------------------------------------	-------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 BINDERY WORKER	PRINT / PUB	-3P	4	L--4--	I---5--
-------------------------	-------------	-----	---	--------	---------

Paperworking

PHYS.D WK COND
HRP SVP 123456 1234567

644. PAPER FASTENING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 STRINGING-MACHINE OPERATOR PAPER GOODS -1- 2 L--4-- I-----
.885-014 TAPE-FASTENER-MACHINE OPERATOR PAPER GOODS -2- 2 L--4-6 I-----

649. PAPERWORKING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BAG-MACHINE-OPERATOR HELPER PAPER GOODS -2- 2 M-34-- I---56-
.886-014 FINISHING-MACHINE OPERATOR PAPER GOODS -1- 1 L--4-- I-----
.886-018 SMUTTER PAPER GOODS -2- 1 L--4-- I-----
.885-010 BAG-MACHINE OPERATOR PAPER GOODS -2- 3 M-34-- I---56-
.885-026 DOMER PAPER GOODS -1- 2 L--4-- I-----
.885-030 DRILL-PUNCH OPERATOR PAPER GOODS -2- 2 L--4-6 I-----
.885-034 FOLDING-MACHINE OPERATOR PAPER GOODS -2- 3 L-34-- I---56-
.885-046 LAUNDRY-BAG-PUNCH OPERATOR PAPER GOODS -2- 2 L--4-- I-----
.885-054 MACHINE OPERATOR GENERAL PAPER GOODS -2- 4 M--4-- I---5--
.885-058 PAPER-CONE-MACHINE TENDER PAPER GOODS -2- 2 L--4-- I-----
.885-062 PAPER-CUP-MACHINE OPERATOR PAPER GOODS -2- 3 L--4-- I-----
.885-066 PARTITION-MAKING MACHINE OPERA PAPER GOODS -2- 2 L-34-- I-----
.885-070 PUNCHBOARD-FILLING-MACHINE OPE PAPER GOODS -2- 2 L--4-- I-----
.885-074 RING-MAKING-MACHINE OPERATOR PAPER GOODS -2- 2 L--4-- I-----
.885-082 STEEL-TIE ADJUSTER AUTOMATIC PAPER GOODS -1- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-022 EMBOSSEER OPERATOR PAPER GOODS -3- 5 L2-4-6 I-----
.782-026 PARTITION-ASSEMBLY-MACHINE OPE ANY IND -3- 5 L--4-- I-----6-
.780-014 MACHINE SET-UP OPERATOR, PAPER PAPER GOODS -3- 5 M-34-- I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 BOTTOMING-MACHINE OPERATOR PAPER GOODS -2- 2 L--4-6 I---5--
.885-038 KNOTTING-MACHINE OPERATOR PAPER GOODS -2- 2 L--4-- I-----
.885-042 LACE-PAPER-MACHINE OPERATOR PAPER GOODS -2- 3 M--4-- I-----
.885-050 LAYBOY TENDER PAPER / PULP -2- 2 L2-4-6 I---56-
.885-078 SHOT-TUBE-MACHINE TENDER PAPER GOODS -2- 2 L--4-- I-----
.885-086 TAG-MACHINE OPERATOR PAPER GOODS -2- 2 L--4-- I-----
.782-014 CUTTING-MACHINE OPERATOR PRINT / PUB -3P 4 M--4-6 I-----
.782-018 DRILL-PRESS OPERATOR ACOUSTICA WALLBOARD -3- 5 L--4-- I---6-
.782-030 SIZING-MACHINE OPERATOR AMMUNITION -3- 4 H234-- I--4-64
.687-010 PAPER SORTER AND COUNTER PAPER / PULP -2- 2 L--456 I-----
.687-014 PAPER-CONE GRADER PAPER GOODS -1- 2 L--4-- I-----
.687-018 PAPER-PATTERN INSPECTOR PAPER GOODS -1- 2 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-022 CORE-CUTTER AND REAMER PAPER / PULP -3P 4 L--4-- I-----6-

649. PAPERWORKING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-018 CHIP-APPLYING-MACHINE TENDER PAINT / VARN -2- 3 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.487-010 INSPECTOR PAPER / PULP -3P 3 L--4-6 I---5--

PRINTING (650.-659.)

Occupations in this area are concerned with the composition of designs and text for reproduction; the transfer of designs and text to the surfaces of paper, wood, cardboard, and other materials; and the collation and assembly of pages into books and documents.

The various printing occupations make cognitive demands in all eight combinations of cognitive capabilities. Nearly half of the occupations make minimum cognitive demands. There is also a concentration of demand for perceptual processing. Perceptual processing demands derive from activities such as organizing text and drawings on a composing table; mixing ink to match a sample; checking and adjusting color registration; and detecting ink smears, double images, light copy, and similar defects. Language demands in typesetting and composing generally involve detection and correction of spelling errors; juxtaposition of characters; and missing or repeated characters, words, lines, or sentences. Limited verbal communications, interpreting of work orders, and recording of production data and stock usage are typical of these occupations. Mathematical demands are associated with activities such as counting quantities of printed matter, estimating job costs, estimating stock quantities and needs, and mixing special inks according to formula.

In very small shops, printing activities are sometimes interspersed with customer interaction. Psychomotor skills may be involved in hand setting of type, keyboard composition of text, operation of presses, and bindery operations. Mechanical knowledge and skill can be useful for machine setup and minor maintenance.

The increasing availability of convenient office machines that produce good copy, increasingly efficient composition devices and techniques, more efficient and automated presses, and more automated collation and binding techniques have all tended to suppress the growth of opportunity in printing occupations. There are limited apprentice opportunities that can lead to full journeywork. Progression to production supervision usually takes a considerable period of time and is available to a relatively small proportion of the printing staffs.

PHYS.D WK COND
HRP SVP 123456 1234567

650. TYPESETTING AND COMPOSING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010 TYPESETTING-MACHINE TENDER	PRINT / PUB	-3-	4	L--4-6	I---5--
.582-010 LINOFILM-MACHINE OPERATOR	CLERICAL	-2P	3	L--4--	I-----
.582-014 LINOTYPE OPERATOR	PRINT / PUB	-3P	5	S--4-6	I---5--
.582-018 MONOTYPE-KEYBOARD OPERATOR	PRINT / PUB	-3P	5	S--4-6	I-----
.582-022 PHOTOTYPESETTER OPERATOR	PRINT / PUB	-3P	5	S--4-6	I-----

651. PRINTING PRESS WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 CYLINDER-PRESS FEEDER	PRINT P PUB	-2P	2	H--4-6	I---56-
.886-014 LITHOGRAPHIC-PRESS-FEEDER APPR	PRINT / PUB	-2-	2	H--4-6	I---56-
.885-010 DESIGN PRINTER BALLOON	RUBBER GOODS	-2-	2	L-----	I-----
.782-070 PROOF-PRESS OPERATOR	PRINT / PUB	-2-	5	M--4--	I-----
.782-082 STRIPER	PAPER GOODS	-2-	5	--34--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 PLATEN-PRESS FEEDER	PRINT / PUB	-2-	4	L--4--	I---56-
.782-038 OFFSET-DUPLICATING-MACHINE OPE	PRINT / PUB	-2-	4	L--4-6	I-----
.782-090 TRANSFER OPERATOR	PRINT / PUB	-3-	4	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 OFFSET-PRESS OPERATOR	PRINT / PUB	-3-	2	L--4--	I-----
.782-066 PRINTING-PRESS OPERATOR	BAL / SCALES	-3P	5	L--4-6	I-----
.687-010 LITHOGRAPHED-PLATE INSPECTOR	TINWARE	-2-	2	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.886-018 PRESS HELPER	FABRIC PLAST	-2-	2	H-34--	I-----
-----------------------	--------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-022 FLEXOGRAPHIC-PRESS OPERATOR I	PRINT / PUB	-3P	4	L--4-6	I---5--
--	-------------	-----	---	--------	---------

652. PRINTING MACHINE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 COLOR-MIXER HELPER	WALLPAPER	-1-	3	H--4--	I-----
.887-018 PAINT POURER	LINOLEUM	-1-	1	M--4-6	I-----7
.887-026 PASTER SCREEN PRINTING	TEXTILE	-1-	2	L--4--	I-----
.887-030 CLOTH SPREADER, SCREEN PRINTIN	TEXTILE	-2P	3	M--4--	I-----
.887-034 PLATER HAND	PAPER / PULP	-1-	1	L--4--	I-----
.887-038 PRINTER FLOOR COVERING ASSISTA	LINOLEUM	-1-	2	L--4-6	I-----
.886-014 GRAINER MACHINE	ANY IND	-2-	2	M--4-6	I-----
.886-022 LOADER-UNLOADER SCREEN-PRINTIN	TEXTILE	-1-	2	L--4--	I-----
.886-026 RAISED PRINTER	PRINT / PUB	-1-	1	L--4--	I-----
.886-030 WARE SERVER	GLASS MFG	-1-	2	V-34--	I-----
.885-010 CARTON MARKER MACHINE	BOOT / SHOE	-2-	2	L-34--	I-----
.885-022 CUTTING-AND-PRINTING MACHINE O	TEX BAG	-2-	3	H--4--	I-----
.885-030 EMBOSsing-PRESS OPERATOR	ANY IND	-2-	2	L--4-6	I---6-
.885-034 FILM NUMBERER	MOTION PIC	-2-	2	L--4--	I-----
.885-038 GLOVE TAGGER	GLOVE / MIT	-2P	2	L--4--	I-----
.885-042 INK PRINTER	JEWELRY CASE	-2-	2	S--4--	I-----
.885-046 PRINTING-ROLLER HANDLER	TEXTILE	-2-	2	V-34--	I---56-

Printing

PHYS.D WK COND
HRP SVP 123456 1234567

652. PRINTING MACHINE WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-054 STAMPER	CARPET / RUG	-2-	2	M-34--	I-----
.885-058 MARKING-MACHINE OPERATOR	KNIT GOODS	-2-	2	L--4--	I-----
.885-062 MILK-BOTTLE-CAP-MAKING-MACHINE	PAPER GOODS	-2-	2	L--4--	I-----
.885-066 NAME-PLATE STAMPER	ANY IND	-2-	2	L--4-6	I-----
.885-070 PHOTOLETTERING-MACHINE OPERATO	PRINT / PUB	-2-	4	S--4--	I-----
.885-074 PIN-TICKET-MACHINE OPERATOR	ANY IND	-2-	2	L--4--	I-----
.885-086 PRINTER, FLOOR COVERING	LINOLEUM	-2-	3	L--4-6	I-----
.885-094 ROLLER OPERATOR	TOYS / GAMES	-2-	2	L--4--	I-----
.885-098 SOABAR-MACHINE OPERATOR	GARMENT	-2-	2	L--4--	I-----
.885-102 STENCIL-MACHINE OPERATOR	TEXTILE	-2P	2	M--4--	I-----
.885-118 TICKETER	ANY IND	-2-	2	S--4--	I-----
.885-122 TUBE BRANDER	RUBBER TIRE	-2-	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-014 CODING-MACHINE OPERATOR	ELECTRONICS	-2P	2	L--4--	I-----
.885-114 STRIKE-OFF-MACHINE OPERATOR	TEXTILE	-3-	3	L--4-6	I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 COLOR DIPPER	TEXTILE	-1-	2	M-34-6	I--45--
.887-022 PAPER HANDLER	WALLPAPER	-1P	2	M--4--	I-----
.887-042 WALLPAPER-PRINTER HELPER	WALLPAPER	-2-	2	M-34--	I-----
.886-010 BASE BRANDER	ELECTRONICS	-2-	1	S--4-6	I-----
.886-018 GREY-CLOTH TENDER PRINTING	TEXTILE	-3P	2	H--4-6	I-----
.885-018 COLOR CODER	ELECTRONICS	-2-	2	S--4-6	I-----
.885-026 DECORATING-MACHINE OPERATOR	GLASS PROD	-2-	3	L--4-6	I--5--
.885-090 PRINTING-MACHINE OPERATOR FOLD	CUT TOOLS	-2-	2	L--4-6	I-----
.885-106 STENCILING-MACHINE TENDER	GLASS MFG	-2-	2	L--4--	I-----
.782-018 GLOVE PRINTER	GLOVE / MIT	-2-	4	L--4--	I-----
.782-026 MARKER	FIREARMS	-2P	4	M--4--	I-----
.782-046 SCREEN-PRINTING-MACHINE OPERAT	TEXTILE	-3-	4	L--4-6	I-----7
.687-010 INSPECTOR AND SHIPPER	WALLPAPER	-2-	3	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-078 PRESS FEEDER	TINWARE	-3P	3	M-34--	I-----
-----------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-050 KEYING-MACHINE OPERATOR	PRINT / PUB	-2-	2	L--4--	I-----
.885-082 PRINTER	PEN / PENCIL	-2-	2	L--4-6	I--5--
.782-010 BOX PRINTER	ANY IND.	-3-	4	L--4--	I-----
.782-058 TIP PRINTER	HAT / CAP	-3-	4	L--4-6	I-----
.687-014 WALLPAPER INSPECTOR	WALLPAPER	-2-	4	L--4-6	I-----
.587-010 CLOTH-PRINTING INSPECTOR	TEXTILE	-2-	3	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-038 PRINTING-MACHINE OPERATOR TAPE	CUT TOOLS	-3-	5	M--45-	I-----
---	-----------	-----	---	--------	--------

652. PRINTING MACHINE WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-110 STRICKLER ATTENDANT	LINOLEUM	-3-	4	S-34-6	I---567
.885-126 VIGOUREUX PRINTER	TEXTILE	-3-	2	M--4-6	I-----
.885-130 WAD-PRINTING-MACHINE OPERATOR	AMMUNITION	-3-	2	L--4--	I-----
.782-042 RUBBER-PRINTING-MACHINE OPERAT	RUBBER GOODS	-3-	4	M--4-6	I-----
.782-050 SQUEEGEE-MACHINE OPERATOR AUTO	GLASS MFG	-3-	5	L--4--	I-----
.782-054 STRIPING-MACHINE OPERATOR	INSULATED WI	-3-	4	L--4-6	I-----
.780-010 DECORATING-EQUIPMENT SETTER	GLASS MFG	-3-	5	M--4--	I-----

653. BOOKBINDING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 CASING-IN-LINE FEEDER	PRINT / PUB	-2-	2	L--4--	I---5--
.886-014 FOLDING-MACHINE FEEDER	PRINT / PUB	-1-	2	L--4--	I---5--
.886-018 GATHERING-MACHINE FEEDER	PRINT / PUB	-2-	2	L--4--	I---5--
.886-022 PERFECT-BINDER FEEDER	PRINT / PUB	-1-	2	L--4--	I---5--
.886-026 STITCHING-MACHINE FEEDER	PRINT / PUB	-1-	2	L--4--	I---5--
.885-010 BOOK-SEWING-MACHINE OPERATOR	PRINT / PUB	-3P	4	L--4-6	I---5--
.885-014 COLLATING-MACHINE OPERATOR	PRINT / PUB	-2-	4	L--4--	I---5--
.885-018 ROUNDING-AND-BACKING-MACHINE O	PRINT / PUB	-2-	4	L--4--	I-----
.885-022 SPIRAL BINDER	PAPER GOODS	-2-	2	L--4--	I-----
.782-010 COVERING-MACHINE OPERATOR	PRINT / PUB	-2-	5	L--4--	I---5--
.782-014 FOLDING-MACHINE OPERATOR	PRINT / PUB	-2-	5	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-018 HEAD-BANDER-AND-LINER OPERATOR	PRINT / PUB	-3-	4	L--4--	I---5--
.627-010 COLLATOR	PRINT / PUB	-2P	2	L--4-6	I-----

654. TYPECASTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PAGER	TYPE FOUNDIN	-1-	2	S--4--	I-----
----------------	--------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.688-010 MATRIX INSPECTOR	TYPE FOUNDIN	-1-	3	S--4--	I-----
---------------------------	--------------	-----	---	--------	--------

659. PRINTING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 JOGGER	PRINT / PUB	-1-	2	L--4--	I-----
.885-010 PAPER CONDITIONER	PRINT / PUB	-2-	5	L--4--	I---6-

Printing

PHYS.D WK COND
HRP SVP 123456 1234567

659. PRINTING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014 PERFORATING-MACHINE OPERATOR PRINT / PUB -2- 4 L--4-- I-----
.687-010 COUNTER PRINT / PUB -1- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-018 SAMPLE-BOOK MAKER WALLPAPER -3P 2 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-022 SHOTGUN-SHELL-REPRINTING-UNIT AMMUNITION -3- 2 M2345- I-----
.782-033 TRANSFER-MACHINE OPERATOR HOSIERY -2- 4 L--4-- I-----
.687-018 RACKER SILK-SCREEN PRINTING ANY IND -2- 2 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-034 SIGN WRITER MACHINE ANY IND -3- 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 COMMODITY-PLATE-EQUIPMENT OPER BAL / SCALES -3P 4 L--4-- I-----
.782-014 CUT-AND-PRINT-MACHINE OPERATOR AMMUNITION -3- 4 H-34-6 I-----
.782-030 RULING-MACHINE OPERATOR PAPER GOODS -3P 5 L2-4-6 I-----
.687-014 INKER PRINT / PUB -2- 4 L----6 I---5--

WOOD MACHINING (662.-669.)

Occupations in this area are concerned with shaping wooden parts or products by removing excess material from stock or objects through such means as cutting, boring, abrading, milling, and planing.

The various occupations in this area demand all eight combinations of cognitive capabilities. About half make only minimum cognitive demands; another fourth demand only perceptual processing. There are also substantial concentrations of demand for moderate mathematics only and for all three cognitive capabilities in combination. Perceptual processing demands derive from activities such as relating planes to three-dimensional objects; discriminating shapes and shadings in identifying lumber stock; grading lumber according to imperfections; classifying lumber according to grain patterns; determining optimum patterns of cuts; estimating straightness; and verifying the structural shape and dimensions of products against written specifications or drawings. Mathematics demands are most widely associated with the dimensions of products and the calculation of machine settings necessary to achieve specified cuts and shapes. Occupations which deal with custom-built rather than mass-produced products are much more likely to involve the calculation of board feet, rough and finished sizes of lumber, and arithmetic operations to determine unknown from known dimensions. Language demands derive from activities such as interpreting written product specifications, which often include specialized terms and drawings; verbal communication in teamwork situations, such as the handling of logs or large boards; preparation of notes and sketches to clarify specifications; and recording of production information on forms.

Nearly half of the occupations demand substantial psychomotor skills for machine operations, although these demands are tending to lessen as woodworking machines become more sophisticated. Mechanical skills can be a definite asset for maintenance activities.

Increasingly efficient machines have tended to keep down job opportunities in mass-production operations. Custom cabinetmaking has generally not flourished under modern economics. There are opportunities, but they tend to be limited. Opportunities for direct progression from mass-production to custom operations are poor.

PHYS.D WK COND
HRP SVP 123456 1234567

662. SANDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 END-TOUCHING-MACHINE OPERATOR	CORK PROD	-1-	1	L--4-6	I-----
.885-010 BOWL SANDER	SMOKING PIPE	-2-	2	L--4--	I-----
.885-014 CORK GRINDER	SPORTS EQUIP	-1-	2	L--4--	I-----
.885-018 CYLINDER-SANDER OPERATOR	WOODWORKING	-2-	2	M--4-6	I---56-
.885-026 SANDER WOODEN PENCILS	PEN / PENCIL	-2-	2	L--4--	I---5--
.885-038 SIZING-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4--	I---5--
.885-050 WOOD-HEEL BACK-LINER	BOOT / SHOE	-1-	2	L--4--	I---5--

Wood Machining

 PHYS.D WK COND
 HRP SVP 123456 1234567

662. SANDING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-030 SANDING-MACHINE BUFFER
 .885-034 SANDING-MACHINE TENDER
 .885-042 SPEED-BELT-SANDER OPERATOR
 .782-014 MULTIPLE-DRUM SANDER

CORK PROD -2- 2 L--4-- I-----7
 CORK PROD -2P 2 L-34-- I----6-
 WOODWORKING -2P 2 M-34-- I---567
 WOODWORKING -2- 4 H234-- I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-022 LAST SCOURER
 .885-046 TURNING-SANDER OPERATOR
 .782-018 STROKE-BELT-SANDER OPERATOR

LASTS / REL -2P 4 M--4-6 I---5--
 WOODWORKING -2P 3 L--4-- I---5--
 WOODWORKING -2- 4 H-34-6 I---567

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.886-014 MULTIPLE-DRUM-SANDER HELPER

WOODWORKING -2- 2 M-34-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-010 MOLDING SANDER

WOODWORKING -2- 4 M-34-6 I---567

663. SHEARING AND SHAVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-014 CORK-TAPERING-MACHINE OPERATOR
 .886-022 POLE-PEELING-MACHINE-OPERATOR
 .886-026 SLICING-MACHINE OPERATOR
 .885-014 EXCELSIOR-MACHINE OPERATOR
 .885-018 MOLDING CUTTER
 .885-022 PUNCHER
 .885-026 ROUNDING-MACHINE OPERATOR
 .885-030 SHAKE BACKBOARD NOTCHER
 .885-034 SKIVER
 .885-038 SLICING-MACHINE OPERATOR
 .885-042 SPLITTER TENDER
 .885-050 STAVE-MACHINE OPERATOR
 .782-014 POLE-PEELING-MACHINE OPERATOR

CORK PROD -1- 2 S--4-- I-----
 SAWMILL WOOD -2P 2 V-34-- O----6-
 CORK PROD -1- 1 L--4-- I-----
 EXCELSIOR -2- 2 M--4-- I-----7
 WOODWORKING -2- 2 L--4-6 I----6-
 SHAPED WOOD -2P 2 L--4-- I-----
 PEN / PENCIL -2- 2 L--4-- I---5--
 SAWMILL -1- 2 L--4-- I-----
 CORK PROD -1- 2 L--4-- I-----
 WINDOW SHADE -2P 3 M-34-- I---5-7
 SAWMILL -1- 2 H--4-- I-----
 BASKETRY -2P 2 L--4-- I---5--
 SAWMILL WOOD -2P 4 L--4-6 O---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-046 SPLITTING-MACHINE OPERATOR
 .782-010 BACK-ROLL-LATHE OPERATOR
 .782-018 VENEER-LATHE OPERATOR
 .782-022 VENEER-SLICING-MACHINE OPERATOR
 .782-026 WOOD-CARVING-MACHINE OPERATOR

CORK PROD -2- 3 H--4-6 I-----
 BASKETRY WOOD -2- 4 L--4-- I---5--
 BASKETRY VEN -3- 4 L--4-- I---5--
 VENEER / PLY -2- 4 M--4-- I-----
 WOODWORKING -3P 4 L--4-- I---5--

663. SHEARING AND SHAVING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010 BLOCK FEEDER
.886-018 DISK CUTTER AND INSPECTOR
.885-010 CLIPPER, AUTOMATIC

MATCH -1P 2 L-34-- I-----
CORK PROD -1- 1 L-34-- I-----
VENEER / PLY -2- 4 S--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-054 VENEER CLIPPER

VENEER / PLY -3P 4 H-34-- I-----

664. TURNING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 BRIAR CUTTER
.885-014 BUCKET CHUCKER
.885-018 COPY-LATHE OPERATOR
.885-022 FRAZER
.885-026 SHUTTLE SPOTTER
.782-014 BARREL-LATHE OPERATOR OUTSIDE

SMOKING PIPE -1- 2 S----- I-----
COOPERAGE -2P 3 M--4-- I-----
WOODWORKING -2- 3 M--4-- I-----
SMOKING PIPE -2- 3 M--4-- I---5--
SHAPED WOOD -1- 2 M--4-- I-----
COOPERAGE -2P 4 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.883-010 LATHE SPOTTER
.782-010 BARREL-LATHE OPERATOR INSIDE
.782-018 BOWL TURNER
.782-022 SKIVING MACHINE OPERATOR

VENEER / PLY -2P 3 H-34-- I-----
COOPERAGE -2P 4 M--4-6 I-----
SMOKING PIPE -2P 4 L--4-6 I-----7
FIREARMS -3P 4 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-026 SPAR-MACHINE OPERATOR

WOOD PRESERV -3P 5 L-34-- O----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-030 SPAR-MACHINE-OPERATOR HELPER

WOOD PRESERV -2P 3 H-34-- O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-034 WOOD-TURNING-LATHE OPERATOR

WOODWORKING -3P 5 M--4-- I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-030 SWING-TYPE-LATHE OPERATOR

WOODWORKING -3- 4 M-34-- I---567

665. MILLING AND PLANING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 STAVE-PLANER OPERATOR	SAWMILL	-1-	2	L--4--	I-----
.886-014 STOVE-SAW OPERATOR	SAWMILL E	-1-	2	M--4--	I-----7
.885-018 PLOW-AND-BORING MACHINE OPERAT	PLAN MILL	-2P	2	M--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 BOTTOM-TURNING-LATHE OPERATOR	COOPERAGE	-2P	3	L--4--	I-----
.885-022 PLYWOOD-SCARFER OPERATOR	VENEER / PLY	-2-	4	H-34--	I---5--
.782-034 MORTISING-MACHINE OPERATOR	WOODWORKING	-3-	4	M2-4-6	I---56-
.782-054 TIMBER-SIZER OPERATOR	PLAN MILL	-3-	4	H234-6	I---567

MIN MIN MOD

.885-026 STOCK CHECKER	FIREARMS	-2-	2	L--4--	I-----
------------------------	----------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014 END FRAZER	SMOKING PIPE	-2P	3	L--4-6	I-----
.782-018 DOWEL-MACHINE OPERATOR	WOODWORKING	-3-	5	M2-4-6	I---56-
.782-038 PANEL-RAISER OPERATOR	PLAN MILL	-2P	5	M-34--	I---567
.782-058 VENEER JOINTER	VENEER / PLY	-2P	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-026 LOCK-CORNER-MACHINE OPERATOR	WOODWORKING	-3-	4	M-34-6	I---567
---------------------------------------	-------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-010 CHUCKING-MACHINE OPERATOR	WOODWORKING	-3-	5	M--4--	I---567
------------------------------------	-------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-014 DADO OPERATOR	WOODWORKING	-3P	5	M-34-6	I---567
.782-022 HEADER	WOOD PRESERV	-3P	4	M--4-6	I---567
.782-030 LOUVER-MORTISER OPERATOR	PLAN MILL	-3P	4	M--4-6	I-----
.782-042 RAFTER-CUTTING-MACHINE OPERATO	PLAN MILL	-3-	4	H234-6	I---567
.782-046 ROUTER OPERATOR	WOODWORKING	-3P	4	M-34-6	I---567
.782-050 SHAPER OPERATOR	WOODWORKING	-3P	5	H-34--	I---567

666. BORING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 CORK-SHELLING-MACHINE OPERATOR	CORK PROD	-1-	2	S--4--	I-----
.885-010 SMOKING-PIPE DRILLER AND THREA	SMOKING PIPE	-2P	2	L--4--	I-----
.885-014 STEMHOLE BORER	SMOKING PIPE	-1-	2	L--4--	I-----
.782-014 BUNGHOLE BORER	COOPERAGE	-2-	4	M--4--	I-----
.782-030 PULLEY-MORTISER OPERATOR	PLAN MILL	-3-	4	M--4-6	I-----

666. BORING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-022 DRILLER AND PLUGGER

SPORTS EQUIP -3P 4 M234-6 I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-018 DOUBLE-END-TRIMMER-AND-BORING-

FURN -3- 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 BORING-MACHINE OPERATOR

WOODWORKING -3- 4 M-34-- I---56-

.782-026 PREFITTER DOORS

WOODWORKING -3P 4 H--4-6 I-----

667. SAWING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BUZZSAW-OPERATOR HELPER

ANY IND. -2- 1 H-34-- O---5--

.886-014 LOG TURNER

SAWMILL -1- 2 V2-4-- I---56-

.886-018 TRIMMER HELPER

SAWMILL -1P 2 M--4-- O-----

.886-022 TURNING-MACHINE-OPERATOR HELPE

BASKETRY COO -2- 2 M--4-- I-----7

.886-026 VENEER-JOINTER HELPER

VENEER / PLY -1- 2 L--4-- I-----

.886-030 WOOD CUTTER EXCELSIOR

EXCELSIOR -2P 2 M-34-- I-----

.885-010 BAND-SAW OPERATOR

COOPERAGE -2P 2 H-34-- I---5--

.885-014 BAND-SAW OPERATOR

WOODWORKING -2- 2 L--4-- I-----

.885-018 BEADING SAWYER

SMOKING PIPE -2- 2 L--4-- I---5--

.885-022 BLOCK SETTER

SAWMILL -2- 4 L--4-- I---567

.885-030 BUZZSAW OPERATOR

ANY IND -2P 3 V234-6 O---56-

.885-034 CIRCLE-CUTTING-SAW OPERATOR

BASKETRY -2- 2 L-34-- I---5-7

.885-038 COB SAWYER

SMOKING PIPE -2P 2 L--4-- I---567

.885-046 DOGGER

SAWMILL -2- 4 M--4-- O-----

.885-054 KERFER-MACHINE OPERATOR

FURN -2- 3 L--4-- I-----

.885-070 SHINGLE-SAW OPERATOR

BASKETRY -2P 2 M-34-6 I---5--

.885-078 STAVE-SAW OPERATOR

COOPERAGE -2P 4 M--4-- I-----7

.885-082 TURNING-MACHINE OPERATOR

BASKETRY COO -2P 2 L--4-6 I---5-7

.782-010 BAND-SCROLL-SAW OPERATOR

WOODWORKING -2P 5 L--4-- I---5--

.782-014 BOTTOM-SAW OPERATOR

SAWMILL -2P 4 M--4-- I-----

.782-018 CASEY-SAW OPERATOR

PLAN MILL -2P 4 H-34-- I---567

.782-030 CORNER-TRIMMER OPERATOR

WOOD BOX -2P 5 M--4-- I---5--

.782-034 CROZE-MACHINE OPERATOR

COOPERAGE -2P 4 L--4-- I-----7

.782-050 GANG SAWYER

SAWMILL -2P 5 L--4-- I---5--

.782-054 GANG SAWYER AUTOMATIC

SAWMILL -2P 4 S--4-- I---5--

.782-066 HEADING-SAW OPERATOR

SAWMILL -2P 4 M--4-- I-----

.782-070 JIGSAW OPERATOR

WOODWORKING -2P 4 M--4-6 I---567

.782-082 PACKAGER HEAD

SAWMILL -2- 4 M--4-- O-----

.782-106 RIPS AW OPERATOR

WOODWORKING -3- 4 M--4-- I---56-

.782-122 STAVE-BOLT EQUALIZER

SAWMILL -2P 4 M--4-- I-----

.782-126 STAVE-LOG-CUT-OFF SAW OPERATOR

SAWMILL -2P 4 V--4-- O-----

.782-130 STAVE-LOG-RIPSAW OPERATOR

SAWMILL -2P 4 M--4-- I-----7

.782-142 TRIMMER

SAWMILL -2P 4 S--4-- I---5--

667. SAWING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-078 MACHINE-TANK OPERATOR
.782-086 POCKET CUTTER
.782-098 RIP-AND-GROOVE MACHINE OPERATOR

COOPERAGE -3P 5 M--4-- I-----
PLAN MILL -3- 4 M--4-6 I-----
FURN -2- 4 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-050 DOWEL POINTER
.885-058 SAWYER CORK SLABS
.782-038 CUT-OFF-SAW OPERATOR
.780-010 KNIFE SETTER

WOODWORKING -2- 2 L-34-6 I---567
CORK PROD -2P 2 L--4-- I---5--
WOODWORKING -3P 4 M--4-- I---56-
EXCELSIOR -2- 4 L-34-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-014 CANT SETTER
.887-018 LOG ROLLER
.887-022 DROP-SORTER OPERATOR
.886-010 CLOTHESPIN-MACHINE OPERATOR
.885-026 BOLTER
.885-042 CUT-OFF SAWYER LOG
.885-066 SHINGLE TRIMMER
.885-074 SLASHER OPERATOR
.782-046 EDGER, AUTOMATIC
.782-074 LOG-CUT-OFF SAWYER AUTOMATIC
.782-102 RIPSAN MATCHER
.782-110 ROCK SAWYER
.782-118 SHAKE SAWYER
.782-138 STOCK-PATCH SAWYER
.687-010 CEDAR CHECKER
.382-010 STOCK GRADER

SAWMILL -1- 2 M--4-- O-----
SAWMILL -1- 2 M--4-- O-----
SAWMILL -1- 2 M--4-- O-----
SHAPED WOOD -1- 2 M--4-- I-----
SAWMILL -2- 3 M--4-- I---56-
PAPER / PULP -2- 2 H2-4-- I-----
SAWMILL -2P 4 L--4-- I---5--
PAPER / PULP -2P 2 M--4-- I---5--
SAWMILL -2P 5 S--4-- I---5--
SAWMILL -2- 5 S--4-- I---5--
WOODWORKING -2P 4 M--4-- I---56-
SAWMILL -2P 4 M--4-- O-----
SAWMILL -2P 4 M--4-- I---56-
WOODWORKING -2P 4 M--4-- I-----
SAWMILL -2- 3 L--4-- O-----
WOODWORKING -2P 5 M2-4-6 I---567

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-022 CHUCKING-AND-SAWING-MACHINE OP
.782-026 CORNER-BRACE-BLOCK-MACHINE OPE
.782-146 VARIETY-SAW OPERATOR

WOODWORKING -3- 4 L--4-- I---5--
FURN -2- 4 M--4-- I-----
WOODWORKING -3- 4 M--4-6 I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-134 STOCK CUTTER

PLAN MILL -2P 4 M--4-6 I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-062 SHINGLE SAWYER
.782-090 RADIAL-ARM-SAW OPERATOR

SAWMILL -3P 4 M-34-- I---56-
CONST WOODWO -3P 4 M--4-6 I---56-

668. CHIPPING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-018 PROFILE-SHAPER OPERATOR AUTOMA WOODWORKING -2- 5 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 CHIPPER PAPER / PULP -1- 2 M2-4-- I---56-
 .885-014 CHIPPER, LOG PAPER / PULP -2- 2 M--4-- I---5--
 .885-018 KNIFE SETTER GRINDER MACHINE PAPER / PULP -2- 3 M--4-- I-----
 .885-022 DROP-SORTER OPERATOR SAWMILL -1- 2 M--4-- O-----
 .782-010 CHIPPING-MACHINE OPERATOR WALLBOARD -3- 5 M-345- I---5--
 .782-014 FLAKE-CUTTER OPERATOR WALLBOARD -2- 4 M--4-- B---56-

669. WOOD MACHINING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BOX-BLANK-MACHINE-OPERATOR HEL WOOD BOX -2- 2 M-34-- I---5--
 .886-014 CHAIN OFFBEARER PLAN MILL SA -1P 2 H--4-- I---6-
 .886-018 REED-PRESS FEEDER WALLBOARD -1P 2 L--4-- I-----
 .886-022 WOODWORKING-MACHINE FEEDER WOODWORKING -1- 2 M--4-- I---5--
 .885-010 APRON TENDER VENEER / PLY -1P 2 L--4-- I-----
 .885-014 BARREL-ASSEMBLER HELPER COOPERAGE -2- 2 M--4-- I-----
 .885-022 BLIND-SLAT-STAPLING-MACHINE OP PLAN MILL -1P 2 L--4-- I-----
 .885-026 BOTTOM-HOOP DRIVER COOPERAGE -2- 3 M--4-- I-----
 .885-030 CLAMPER WOODWORKING -1- 2 H--4-- I-----
 .885-034 COAT-HANGER-SHAPER-MACHINE OPE SHAPED WOOD -2P 3 M--4-- I---5-7
 .885-038 CORE-LAYING-MACHINE OPERATOR VENEER / PLY -2P 4 M--4-6 I-----
 .885-042 CORRUGATED-FASTENER DRIVER WOODWORKING -2- 2 L-34-- I---6-
 .885-050 DOWELING-MACHINE OPERATOR WOODWORKING -2P 3 L-34-- I-----
 .885-054 FRAME-TABLE-OPERATOR HELPER WOOD PRESERV -1P 2 L-34-- O---6-
 .885-058 GLUE-JOINTER HELPER FURN -2P 2 M--4-- I---5--
 .885-066 NAILING-MACHINE OPERATOR AUTOM ANY IND -2- 2 L--4-- I-----
 .885-070 NAILING-MACHINE OPERATOR AUTOM COOPERAGE -2P 2 M--4-- I-----
 .885-074 RIVETER WOOD BOX -2P 2 M--4-- I-----
 .885-078 SLAT-BASKET MAKER MACHINE BASKETRY -2P 4 L-34-6 I---5--
 .885-086 STITCHING-MACHINE OPERATOR COOPERAGE -1- 2 M-34-- I---5--
 .782-030 DOWEL-INSERTING-MACHINE OPERAT PLAN MILL -2- 4 M--4-- I---5--
 .782-038 END STAPLER WOOD BOX -1P 5 L--4-- I---5--
 .782-046 INLETTER FIREARMS -2P 4 L--4-6 I-----
 .782-070 TIP INSERTER SHAPED WOOD -2P 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010 ADZING-AND-BORING-MACHINE OPER WOOD PRESERV -3- 5 L234-- I---6-

Wood Machining

 PHYS.D WK COND
 HRP SVP 123456 1234567

669. WOOD MACHINING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 LUMBER STRAIGHTENER
 .885-018 BASKET ASSEMBLER
 .885-046 DOVETAIL-MACHINE OPERATOR
 .885-062 HEADING-MACHINE OPERATOR
 .885-082 SQUEEZER OPERATOR
 .885-090 TURNER
 .885-094 VENEER REPAIRER MACHINE
 .782-014 BARREL ASSEMBLER
 .782-022 BUCKET TURNER
 .782-026 CHUCKING-AND-BORING MACHINE OP
 .782-034 EMBOSsing-MACHINE OPERATOR
 .782-058 NAILING-MACHINE OPERATOR
 .782-062 PLUGGING-MACHINE OPERATOR
 .687-010 DOWEL INSPECTOR
 .687-014 VENEER MATCHER
 .587-014 VENEER GRADER

SAWMILL -1P 2 M--4-- I---56-
 BASKETRY -3P 2 L-34-6 I---5--
 WOOD BOX -2P 2 M--4-- I---5--
 PEN / PENCIL -2- 2 L--4-- I---5--
 WOOD BOX -2- 3 M--4-- I-----
 SMOKING PIPE -2- 3 L--4-- I---5-7
 VENEER / PLY -2- 2 L--4-- I-----
 COOPERAGE -3P 4 M--4-6 I---6-
 COOPERAGE -2P 4 M--4-- I---7
 FURN -2- 4 L--4-6 I---56-
 MIRROR / PIC -2- 4 L--4-6 I-----
 ANY IND -2- 4 M--4-- I---56-
 WOODWORKING -3P 4 M--4-- I-----
 WOODWORKING -2- 2 S--4-6 I-----
 VENEER / PLY -3- 2 L--4-6 I-----
 VENEER / PLY -3- 2 L-34-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-018 BOX-BLANK-MACHINE OPERATOR
 .782-050 LAST TRIMMER
 .782-054 LINDERMAN OPERATOR
 .587-010 GRADER

WOOD BOX -2- 4 L--4-- I---5--
 LASTS REL -2P 4 M--4-6 I---5--
 WOODWORKING -3- 5 M--456 I---5--
 WOODWORKING -3- 4 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-042 FRAME-TABLE OPERATOR
 .782-066 TENONER OPERATOR
 .782-074 WOODWORKING-MACHINE OPERATOR

WOOD PRESERV -3P 5 M-34-- O-----
 WOODWORKING -3- 4 M-34-- I---567
 WOODWORKING -3- 4 M234-6 I---5-7

MACHINING OF NONMETALLIC MINERALS (670.-679.)

Occupations in this area are concerned with shaping stone, clay, glass, and similar materials for products by removing excess material from stock or objects by such means as cutting, boring, grinding, milling, and planing.

The various occupations in this area demand all eight different combinations of cognitive capabilities. More than a third have minimum cognitive demands. There are also concentrations of occupations demanding moderate mathematics only, moderate perceptual processing only, combined language and perceptual processing, and combined mathematics and perceptual processing. Perceptual processing demands derive from activities such as inspecting materials and products for surface and internal defects, grading materials by color and quality, and evaluating the extent of surface imperfection caused by a scratch. Mathematics demands derive from activities such as interpreting numerical specifications for products; setting up machinery to achieve specified dimensions; verifying that finished dimensions of a product are within tolerances; and using devices such as tape measures, protractors, squares, dividers, micrometers, and dial gauges. Language demands derive from activities such as the interpretation of specialized terminology in written product specifications, verbal communications between supervisor and worker, and recording production information such as the number and types or grades of product produced.

Psychomotor skill is commonly demanded for machine control, use of hand tools, and the manipulation of small parts such as lenses or watch jewels. Mechanical skills may be an asset for the setup of equipment and minor maintenance, especially the replacement of abrasive and cutting components which wear rapidly.

Automation is an important trend in this area which holds down the growth of new opportunities and reduces the demand for highly skilled psychomotor activities.

PHYS.D WK COND
HRP SVP 123456 1234567

670. STONECUTTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 STONE TRIMMER

STONework -1P 3 M--4-6 I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-010 CRYSTAL CUTTER

ELECTRONICS -3P 4 L--4-- I-----

673. ABRADING AND POLISHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 JOINER
 .886-010 BURR GRINDER
 .886-014 LAYER
 .886-018 LENS EDGER AUTOMATIC
 .886-022 STRIPPER
 .886-026 WEBER-EDGER OPERATOR
 .885-014 BED RUBBER
 .885-022 BLOCKER
 .885-030 CONVEX-GRINDER OPERATOR
 .885-042 GRINDING-MACHINE OPERATOR AUTO
 .885-054 LEVEL-VIAL INSIDE GRINDER
 .885-058 MICROMACHINE OPERATOR
 .885-062 NOTCH GRINDER
 .782-038 SLAB GRINDER

GLASS MFG -2P 2 M--4-- I-----
 OPTICAL GOOD -1P 1 L--4-- I-----
 GLASS MFG -2P 2 M2-4-- I-----
 OPTICAL GOOD -1- 2 L--4-6 I-----
 GLASS MFG -2P 2 H--4-- I-----
 GLASS MFG -1- 2 M----- I-----
 STONEWORK -3- 4 H--4-- I-----
 GLASS MFG MI -3P 2 H--4-- I-----
 BUTTON -1- 2 S--4-6 I-----
 BUTTON -1- 2 S--4-- I-----
 CUT TOOLS -2- 3 L--4-- I-----
 OPTICAL GOOD -2- 2 L--4-- I-----
 GLASS PROD -2P 2 S--4-- I-----
 STONEWORK -2P 5 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-034 DIAMOND-DUST TECHNICIAN

ABRASIVE / P -3- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 ABRASIVE GRINDER
 .885-018 BEVELER
 .885-046 LENS-EDGE GRINDER MACHINE
 .782-018 FINISH OPENER JEWEL HOLE

ABRASIVE / P -2P 2 L--4-- I-----
 GLASS PROD -2P 3 M--4-- I---6--
 OPTICAL GOOD -2- 2 L--4-- I-----
 CLOCK / WATC -3P 5 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-050 LENS-GENERATING-MACHINE TENDER
 .885-074 STRIP POLISHER
 .782-014 FINGER-GRIP-MACHINE OPERATOR

OPTICAL GOOD -2P 3 L--4-- I--45--
 STONEWORK -3P 2 M--4-- I---5--
 MIRROR -3- 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-038 FUSION-JUNCTURE GRINDER

OPTICAL GOOD -3- 3 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-066 STONE ROUGHER
 .885-070 STRAIGHT-LINE EDGER
 .782-030 MITER GRINDER OPERATOR
 .782-034 SANDBLASTER STONE
 .782-046 STONE POLISHER MACHINE

OPTICAL GOOD -2P 2 L--4-6 I--45--
 GLASS MFG MI -3P 3 H--4-- I-----
 GLASS MFG MI -3- 4 M--4-- I-----
 STONEWORK -3P 5 M--4-6 I---567
 STONEWORK -3P 4 M--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-026 BLOCKER AUTOMATIC
 .782-010 BEVELING-AND-EDGING-MACHINE OP

GLASS MFG MI -2P 2 H--4-- I-----
 GLASS MFG MI -3P 4 M--4-- I-----

673. ABRADING AND POLISHING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-022 LENS-BLANK FINISHER
.782-026 LENS-BLANK-THICKNESS GRINDER

OPTICAL GOOD -3- 4 M--4-- I-----
OPTICAL GOOD -3- 4 L--4-- I-----

674. TURNING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-014 GLASS-LATHE OPERATOR

ELECTRONICS -3P 4 L--4-6 I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 FINISHING-MACHINE OPERATOR

ABRASIVE / P -3P 5 H--4-- I---5-7

675. PLANING AND SHAPING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-010 CONTOUR GRINDER
.782-018 PLANER STONE

STONWORK -3P 5 M--4-- I--45--
STONWORK -3P 5 H--4-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-014 PLANER OPERATOR

ELEC EQUIP -3P 5 L--4-6 I---5-7

676. BORING AND PUNCHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 DRILLER
.885-014 DPILLER MACHINE
.782-010 DRILLER MULTIPLE-SPINDLE

OPTICAL GOOD -1P 3 S--4-- I-----
GLASS PROD -2P 3 M-34-6 I-----
MIRROR -2P 4 M-34-6 I-----

677. CHIPPING, CUTTING, SAWING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BEVELING-AND-EDGING-MACHINE-OP
.885-018 GLASS-LITE CUTTER-OFF, HEAVY
.885-034 STONE SPLITTER

GLASS MFG MI -1P 2 M--4-- I-----
GLASS MFG -2P 2 H--4-- I-----
CONC PROD -2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-026 SPLITTER OPERATOR
.885-030 SPLITTING-MACHINE OPERATOR

STONWORK -2P 2 H--4-- O---5--
STONWORK -2P 3 L--4-- O-----

Machining of Nonmetallic Minerals

PHYS.D WK COND
HRP SVP 123456 1234567

677. CHIPPING, CUTTING, SAWING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-030 REFRACTORY-GRINDER OPERATOR BRICK / TILE -2P 4 M--4-- I---567
.782-034 RIPSAWYER STONE STONWORK -3- 5 H2-4-- I---5--
.782-042 TENONER OPERATOR WALLBOARD -2- 4 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-014 SAWYER PIPE / BOILE -2- 2 M--4-- I-----
.782-010 BATT-MACHINE OPERATOR INSULATI WALLBOARD -2- 5 M234-- I---6--
.782-014 CIRCULAR SAWYER STONE STONWORK -3P 4 M--4-- I--45--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-022 GLASS-CUT-OFF-MACHINE UNLOADER GLASS MFG -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-010 CARBON CUTTER ELEC EQUIP -2P 4 L--4-- I---5--
.885-014 GLASS CUTTER OPTICAL GOOD -2P 3 H--4-- I-----
.782-022 GLASS-CUT-OFF-MACHINE OPERATOR GLASS MFG -2- 4 L--4-- I-----
.782-046 WIRE SAWYER STONWORK -3- 5 M--4-- I--45--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018 CUTTING-MACHINE OPERATOR AUTOM GLASS MFG -3- 4 L234-6 I-----

679. MACHINING, NONMETALLIC MINERALS AND RELATED MATERIALS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 ASBESTOS-SHINGLE SHEARING-MACH ASBESTOS PRO -1- 2 M--4-- I-----
.885-010 BUTTON-FACING-MACHINE OPERATOR BUTTON -2- 2 L--4-- I---5--
.884-010 BED SETTER STONWORK -2P 3 M-34-- I--4-6--
.782-010 BANDING-MACHINE OPERATOR POTTERY / PO -2- 4 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-018 TURNING-AND-BEADING-MACHINE OP NEEDLE PIN -2P 2 S--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-014 LEVEL-GLASS-FORMING-MACHINE OP CUT TOOLS -2P 2 L--4-6 I-----
.687-010 ASBESTOS-SHINGLE INSPECTOR ASBESTOS PRO -2- 2 S--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-014 DECORATING-MACHINE OPERATOR GLASS MFG -3- 4 L--4-6 I---5--
.782-018 SALVAGER ELEC EQUIP -3P 5 M--4-6 I-----
.782-022 STAMPER MACHINE POTTERY / PO -3P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.587-010 STONE GRADER MINING / QUA -2- 4 M--4-- B-----

TEXTILE MACHINE WORK (680.-689.)

Occupations in this area are concerned with spinning, weaving, shaping, joining, and otherwise fabricating textiles, textile products, fur, and hair.

The various occupations in this area demand cognitive capabilities in all eight combinations. About half of the occupations make only minimum cognitive demands. An additional third of the occupations demand only perceptual processing and there is an additional concentration of occupations demanding a combination of language and perceptual processing capabilities. Perceptual processing demands derive primarily from activities in quality inspection for defects such as knotted, loose, or broken thread and broken patterns. Language demands derive from activities such as interpreting the special terminology used in the textile industries, understanding written and verbal work specifications, and recording production and malfunction information. Mathematical demands derive from activities such as weighing yarn samples, plotting weights of samples on graph paper, measuring yardage, counting the number of warp and filling threads per square inch of sample materials, and weighing specified proportions of graded materials according to formulas.

Operational control of machinery demands psychomotor skill in a number of occupations, although automation is steadily decreasing this aspect and replacing it with monitoring and contingency-handling responsibilities. Mechanical skills can be a definite asset for minor maintenance of equipment.

Textile industries have been leaders in mechanization and automation. These trends have tended to limit job opportunities in textile occupations.

PHYS.D WK COND
HRP SVP 123456 1234567

680. CARDING, COMBING, DRAWING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 APRON CLEANER	ASBESTOS PRO	-1-	2	M--4--	I-----7
.887-014 DROP-WIRE HANGER	TEXTILE	-1P	2	L-34--	I-----
.887-018 ROLLER CLEANER	TEXTILE	-1P	2	L--4--	I-----7
.886-010 CAN DOFFER	TEXTILE	-2-	2	M-34--	I-----7
.886-014 MACHINE FEEDER RAW STOCK	FELT GOODS H	-2-	2	H-34--	I-----
.885-010 CARD STRIPPER	TEXTILE	-2-	3	M-34--	I-3-5-7
.885-014 CARD TENDER	ASBESTOS PRO	-2P	2	V-34--	I-3-5-7
.885-022 COMBER TENDER	TEXTILE	-2P	3	M--4--	I---5--
.885-038 FINISHER-CARD TENDER	ASBESTOS PRO	-3P	2	M--4--	I---56-
.885-042 GILL-BOX TENDER	TEXTILE	-3P	3	H--4--	I---5--
.885-046 LEASING-MACHINE TENDER	TEXTILE	-3P	2	L--4--	I-----
.885-050 MIDDLE-CARD TENDER	TEXTILE	-3P	2	L-34--	I---5--
.885-062 OPENER TENDER	TEXTILE	-2-	2	M-34--	I-----7
.885-070 PICKER-MACHINE OPERATOR	MATT / BEDSP	-2P	2	V--4--	I---5-7
.885-074 PICKING-MACHINE OPERATOR	ANY IND	-2P	2	M-34--	I---5-7
.885-078 RIBBON-LAP MACHINE TENDER	TEXTILE	-3P	2	M--4--	I-3-5-7

Textile Machine Work

 PHYS.D WK COND
 HRP SVP 123456 1234567

680. CARDING, COMBING, DRAWING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-086	SLIVER-LAP-MACHINE TENDER	TEXTILE	-3P	2	M-34--	I-3-5-7
.885-090	SLUBBER TENDER	TEXTILE	-3P	3	L--4--	I-3-5-7
.885-110	WASTE-MACHINE TENDER	TEXTILE WAST	-2-	2	L--4--	I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-098	STAPLE-PROCESSING-MACHINE OPER	TEXTILE	-2P	3	M--4--	I-----
----------	--------------------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-082	SILK SPREADER	TEXTILE	-2-	3	L--4-6	I-----
.885-106	STRETCH-BOX TENDER	TEXTILE	-2P	2	M--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-026	DRAW-FRAME TENDER	CORD / TWINE	-2P	2	V-34--	I---567
.885-030	DRAW-MACHINE OPERATOR	SYNTHETIC FI	-2-	3	L--4-6	I-----
.885-034	DRAWING-FRAME TENDER	TEXTILE	-3P	3	M--4--	I-3-5-7
.885-094	STAPLE CUTTER	TEXTILE	-2P	2	M-34--	I-----
.885-102	STRAND-AND-BINDER CONTROLLER	WALLBOARD	-3P	2	L--4--	I--45--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-066	PICKER TENDER	TEXTILE	-3P	3	V-34--	I---5-7
----------	---------------	---------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-054	MIXER	HAT / CAP	-3-	3	L--4--	I-----7
.885-058	MIXING-MACHINE OPERATOR	BRUSH	-3-	2	M--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-018	CHOPPED-STRAND OPERATOR	GLASS MFG.	-2-	2	L--4--	I---5--
.387-010	ROVING SIZER	TEXTILE	-3-	3	M--4--	I-----

681. TWISTING, BEAMING, WARPING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	WARP-YARN SORTER	TEXTILE	-1-	2	M-34--	I-----
.886-010	BEAM RACKER	TEXTILE	-1-	2	V-34--	I-----
.886-014	BEAMER HELPER	TEXTILE	-1P	2	M--4-6	I-----
.885-010	BALL-WARPER TENDER	TEXTILE	-2P	3	M--4--	I-----
.885-022	CARDING-MACHINE OPERATOR	TRIM / STAMP	-1-	2	S--4--	I-----
.885-034	DOUBLING-MACHINE OPERATOR	KNIT GOODS T	-1-	2	L-34--	I---5--
.885-046	PRECISE WINDER	TEXTILE	-2-	2	L--4--	I---5--
.885-058	ROPE MAKER MACHINE	ASBESTOS PRO	-3P	3	M--4--	I-----7
.885-066	RUBBER-THREAD SPOOLER	SPORTS EQUIP	-3P	2	L--4-6	I-----
.885-070	SELVAGE-MACHINE OPERATOR	TEXTILE	-2P	2	L--4--	I---5--

681. TWISTING, BEAMING, WARPING, AND RELATED WORK (CONT.)

.885-082 SKEINER	NARROW FABRI	-2P	2	M--4--	I-----
.885-086 SPEEDER TENDER	TEXTILE	-3P	2	L--4--	I-3-5-7
.885-098 SPOOLING-MACHINE OPERATOR	TRIM / STAMP	-1P	2	S--4--	I-----
.885-102 STRAND-FORMING-MACHINE OPERATO	CORD / TWINE	-2P	3	H--4--	I---5--
.885-118 TWISTING-MACHINE TENDER	FIBER RUGS	-3P	4	M-34--	I---5--
.885-122 UPTWISTER TENDER	TEXTILE	-1-	3	M-34-6	I---5-7
.885-126 WARP SPOOLER	NARROW FABRI	-2-	3	M--4--	I-----
.885-130 WARP-TYING-MACHINE TENDER	TEXTILE	-3P	4	L-34-6	I---5-7
.885-142 YARN-TEXTURING-MACHINE OPERATO	TEXTILE	-1P	3	L--4--	I---5--
.782-014 ROPE-MAKER ROPEWALK	CORD / TWINE	-2P	4	H--4--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-050 QUILLING-MACHINE OPERATOR AUTO	NARROW FABRI	-3P	3	L--4--	I-----
.885-074 SINGE WINDER	TEXTILE	-3P	3	L-34--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 YARN CLEANER	ANY IND	-3-	2	L--4--	I-----
.885-026 COILER	CORD / TWINE	-3P	2	V--4--	I-----
.885-030 COVERING-MACHINE OPERATOR	TEXTILE	-3P	4	M--4-6	I-----
.885-038 GAS-REEL TENDER	TEXTILE	-1P	3	L--4--	I-----
.885-042 LONG-CHAIN BEAMER	TEXTILE	-3P	3	H--4--	I-----
.885-054 REELING-MACHINE OPERATOR	TEXTILE	-3P	3	L-34--	I-----
.885-062 ROPE-LAYING-MACHINE OPERATOR	CORD / TWINE	-3P	3	M--4--	I---567
.885-078 SKEIN WINDER	HOSIERY KNIT	-3P	3	L--4--	I---5--
.885-090 SPINNING-MACHINE TENDER	CORD / TWINE	-2P	2	H--4--	I---567
.885-094 SPLITTER	TEXTILE	-3P	3	M--4--	I-----
.885-106 THROWER	SYNTHETIC FI	-3P	4	L--4-6	I-345--
.885-110 TWISTER TENDER	ASBESTOS PRO	-3P	3	L-34--	I---5--
.885-134 WAPER	NARROW FABRI	-3P	4	M--4--	I-----
.885-138 YARN WINDER	ANY IND	-2P	3	L-34--	I---5--
.782-018 RUG SETTER AXMINSTER	CARPET / RUG	-3P	5	M--4-6	I-----
.782-022 RUG SETTER VELVET	CARPET / RUG	-2P	5	M--4-6	I-----
.687-010 THREAD INSPECTOR	SYNTHETIC FI	-2-	3	L--4-6	I-----
.687-014 YARN EXAMINER	GLASS MFG SY	-2-	3	M--4-6	I-----
.685-010 COVERING-MACHINE-OPERATOR HELP	TEXTILE	-2-	3	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-014 BEAM-WARPER TENDER AUTOMATIC	ASBESTOS PRO	-3P	4	L--4--	I-----7
.885-018 BEAMER	TEXTILE	-3P	3	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-114 TWISTER TENDER PAPER	CORD / TWINE	-3P	4	M--4--	I---56-
.782-010 DRESSER TENDER	TEXTILE	-3P	4	H--4--	I-----

Textile Machine Work

PHYS.D WK COND
HRP SVP 123456 1234567

682. SPINNING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014 BOBBIN WINDER SEWING MACHINE
.885-018 SPINNER FRAME
.885-026 TWISTER
.687-010 ROVING-WEIGHT GAGER

TEXTILE -3P 3 L--4-- I-----
ASBESTOS PRO -3P 3 L-34-- I---5-7
CORD / TWINE -1- 3 L--4-- I-----
TEXTILE -2- 4 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 TRAVELER CHANGER
.885-022 SPINNER MULE

TEXTILE -1- 2 L-34-- I-3-5-7
ASBESTOS PRO -3P 4 L-34-- I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 BOBBIN WINDER MACHINE

CORD / TWINE -3P 2 L--4-- I-----

683. WEAVING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DRAWER-IN HELPER HAND
.887-014 HANDER-IN
.887-018 HOOK PULLER
.887-022 LINGO CLEANER
.886-010 BATTERY LOADER
.885-022 DRAWING-IN-MACHINE-TENDER HELP
.885-026 LEASE-OUT WORKER
.885-030 PATTERN DUPLICATOR
.782-054 WEAVER NARROW FABRICS
.780-010 HARNESS PLACER
.780-014 HEDDLES TIER JACQUARD LOOM

NARROW FABRI -2- 2 M-34-- I-----
NARROW FABRI -2- 2 S--4-6 I---5--
NARROW FABRI -1- 1 L--4-- I-----
TEXTILE -2P 2 L--4-- I-----
TEXTILE -2- 2 L-34-- I---5-7
TEXTILE -3- 4 H--4-- I-----
TEXTILE -2P 3 V-34-- I-345--
TEXTILE -1- 2 L--4-- I-----
ASBESTOS PRO -3- 5 L-34-6 I---5--
TEXTILE -2- 4 H-34-- I---5--
NARROW FABRI -2P 5 L234-6 I---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.687-010 WARP-TENSION TESTER

TEXTILE -2- 2 L-34-- I-345--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-026 LOOM CHANGEOVER OPERATOR
.885-010 CARD CHANGER JACQUARD LOOMS
.885-014 CARD LACER JACQUARD
.885-018 DRAWER-IN HAND
.885-034 SMASH HAND
.885-038 TWISTER-IN
.885-042 WEAVER AXMINSTER
.885-046 WEAVER NEEDLE LOOM
.782-010 CARD CUTTER JACQUARD
.782-014 CARPET WEAVER
.782-018 CARPET WEAVER JACQUARD LOOM

FIBER RUGS -2P 3 L-34-6 I---5--
NARROW FABRI -2P 4 M2-4-- I---56-
NARROW FABRI -2- 2 L-34-- I-----
NARROW FABRI -2P 4 L--4-6 I---5--
NARROW FABRI -2P 3 L-34-6 I---5--
NARROW FABRI -3P 4 L--4-6 I---5--
CARPET / RUG -2P 4 M--4-6 I-----
NARROW FABRI -3P 4 L-34-6 I---5--
NARROW FABRI -3P 5 L--4-6 I-----
CARPET / RUG -3P 4 L-34-6 I---5--
CARPET / RUG -3P 4 L-34-6 I---5--

683. WEAVING AND RELATED WORK (CONT.)

.782-022 DRAWING-IN-MACHINE TENDER	TEXTILE	-3P	5	H--4-6	I-----
.782-026 JACQUARD-LOOM WEAVER	NARROW FABRI	-3P	5	L-34-6	I---5--
.782-030 JACQUARD-LOOM WEAVER	TEXTILE	-3P	5	L-34-6	I-345-7
.782-038 PLUSH WEAVER	TEXTILE	-3-	4	L-34-6	I---5--
.782-042 WEAVER	ASBESTOS PRO	-3P	5	L-34-6	I---5-7
.782-046 WEAVER	FIBER RUGS P	-3P	5	M23456	I---5--
.782-050 WEAVER APPRENTICE	ASBESTOS PRO	-3P	5	L-34-6	I---5-7
.782-058 WEAVER TIRE CORD	TEXTILE	-3P	4	L-34--	I---5--
.781-010 CHAIN BUILDER LOOM CONTROL	TEXTILE	-2-	5	L--4--	I-----
.684-010 HARNESS PULLER	TEXTILE	-2P	4	L--4-6	I---5--
.684-014 WEAVING INSPECTOR	TEXTILE	-3P	3	L--4-6	I-----
.384-010 PATTERN-LEASE INSPECTOR	TEXTILE	-2-	4	L-34-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.487-010 BELTING-AND-WEBBING INSPECTOR NARROW FABRI -2- 2 L--4-6 I-----

684. HOSIERY KNITTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 CLIPPER MACHINE HOSIERY -1- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-010 KNITTING-MACHINE OPERATOR FULL HOSIERY -3P 5 L--4-- I---5--

.687-018 SIZER HOSIERY -2- 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 STOCKING RIBBER HOSIERY -3- 3 L--4-- I-----

.782-014 TRANSFER KNITTER HOSIERY -3- 4 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-010 SEAMLESS-HOSIERY KNITTER HOSIERY -3- 3 L-34-- I-----

.687-010 PAIRER HOSIERY -3- 4 L--4-6 I-----

.687-014 RE-INSPECTOR HOSIERY -3- 4 L--4-6 I-----

.684-010 STOCKING INSPECTOR HOSIERY -3- 3 S--4-- I-----

685. KNITTING, EXCEPT HOSIERY

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CUFF FOLDER KNIT GOODS -1- 2 S--4-- I-----

.887-014 FORMER KNIT GOODS -1- 2 L--4-- I-----

.887-022 NEEDLE CLEANER KNIT GOODS -2- 2 M--4-- I-----

Textile Machine Work

 PHYS.D WK COND
 HRP SVP 123456 1234567

685. KNITTING, EXCEPT HOSIERY (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-026 PAD SUPPLIER	KNIT GOODS	-2-	3	M--4-6	I-----
.887-030 PAD CHANGER	KNIT GOODS	-2-	2	M--4--	I-----
.887-034 PRESS HAND	KNIT GOODS	-1-	2	L--4--	I-----
.887-038 ROLLER	KNIT GOODS	-1-	1	L--4--	I-----
.887-042 TOPPER	KNIT GOODS	-2P	2	S--4-6	I---5--
.986-010 FRINGING-MACHINE OPERATOR	KNIT GOODS	-1P	2	L--4--	I-----
.886-014 KNITTING-MACHINE-OPERATOR HELP	KNIT GOODS	-2P	2	M-34--	I---5--
.885-014 CIRCULAR KNITTER	KNIT GOODS	-3-	3	H-34--	I---5--
.885-018 FLAT KNITTER	KNIT GOODS	-3-	3	M-34--	I---5--
.885-022 KNITTER FULL-FASHIONED GARMENT	KNIT GOODS	-3P	4	L--4--	I---5--
.885-030 KNITTING-MACHINE OPERATOR	CORD / TWINE	-3-	4	L--4--	I-----
.782-018 SURGICAL-ELASTIC KNITTER HAND	SURGICAL APP	-3P	5	L--4-6	I-----
.781-010 JACQUARD-PLATE MAKER	KNIT GOODS	-2-	5	L--4-6	I-----
.780-010 THREADER	KNIT GOODS	-2P	5	L-34-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 LACE WINDER	TEX PROD N E	-2P	2	L--4--	I-----
.885-026 KNITTING-MACHINE OPERATOR	KNIT GOODS	-3P	3	H--4--	I---5--
.782-010 CROCHET-MACHINE OPERATOR	KNIT GOODS	-2P	4	L--4-6	I-----
.687-014 DISH-CLOTH INSPECTOR	KNIT GOODS	-1-	3	L--4-6	I-----
.687-018 FINISHED-STOCK TENDER	KNIT GOODS	-2-	3	M--4-6	I-----
.687-022 PATROLLER	KNIT GOODS	-2-	2	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-034 WARP-KNITTING-MACHINE OPERATOR	KNIT GOODS	-3P	4	M-34-6	I---5--
.687-010 CLOTH INSPECTOR	KNIT GOODS	-2P	4	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-010 PATTERN ASSEMBLER	KNIT GOODS	-3P	2	L--4-6	I-----
----------------------------	------------	-----	---	--------	--------

686. PUNCHING, CUTTING, FORMING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 ACETONER	GARMENT	-1-	2	L--4--	I-----
.886-014 FELT-TIPPING-MACHINE TENDER	PEN / PENCIL	-1-	1	L--4--	I-----
.885-010 CHIN-STRAP CUTTER	HAT / CAP	-2-	2	L--4--	I-----
.885-018 CUFF CUTTER	GARMENT GLOV	-2-	3	M-34--	I-----
.885-022 CUTTER	HOUSE FURN	-2P	2	M--4--	I-----
.885-038 HANDLE-AND-VENT-MACHINE OPERAT	MATT / BEDSP	-2-	2	L--4--	I-----
.885-046 PERFORATING-MACHINE OPERATOR	HAT / CAP	-2-	2	L--4--	I---5--
.885-050 PINKING-MACHINE OPERATOR	BOOT / SHOE	-2P	2	S--4--	I-----
.885-054 PRESS OPERATOR	SURGICAL APP	-1-	3	L--4--	I-----
.885-058 RIVET-HOLE PUNCHER	GARMENT	-2-	2	L--4-6	I-----
.885-062 ROSETTE-MACHINE OPERATOR	TRIM / STAMP	-2P	3	L--4-6	I-----
.885-078 WELT-TRIMMING-MACHINE OPERATOR	HAT / CAP	-2P	3	L--4--	I---5--

686. PUNCHING, CUTTING, FORMING, AND RELATED WORK (CONT.)

.782-010 BAND-SAW OPERATOR FELT GOODS -2P 4 M--4-- I---56-
.782-014 BIAS-CUTTING-MACHINE OPERATOR KNIT GOODS T -3P 4 M--4-- I-----
.782-022 FELT-CUTTING-MACHINE OPERATOR FELT GOODS -2P 4 M----- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-026 CUTTING-MACHINE OPERATOR TEX BAG -3P 2 H--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-030 FELT CUTTER AMMUNITION -2- 2 L-34-- I-----
.885-074 STRIP-CUTTING-MACHINE OPERATOR ANY IND -3P 2 H--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 CONTINUOUS PILLOWCASE CUTTER TEXTILE -2- 3 M--4-- I-----
.885-034 FOLDER NARROW FABRI -2P 2 L--4-6 I-----
.885-042 NICKING-MACHINE OPERATOR GARMENT TEXT -2P 3 M--4-6 I-----
.885-066 SCALLOP CUTTER MACHINE EMBROID -2P 2 L--4-- I-----
.885-070 SHOELACE-TIPPING-MACHINE OPERA NARROW FABRI -2- 2 H-34-- I-----
.782-026 RUG CUTTER FIBER RUGS -2P 4 M-34-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018 DIE-CUTTING-MACHINE OPERATOR A FELT GOODS T -3P 4 L--4-6 I-----

689. TEXTILE MACHINE WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CLOTH FRAMER TEXTILE -2P 2 M--4-- I-----
.887-014 CLOTH-EDGE SINGER TEXTILE -1P 2 L-34-- I-----
.887-018 CREELER ANY IND -1- 2 M-34-6 I---5--
.887-022 DROP-WIRE BUILDER TEXTILE -2- 2 L-34-- I--4--
.887-026 FRAME HAND EMBROID -2P 2 M--4-- I---5--
.887-034 NUMBERER AND WIRER TEXTILE -2P 2 L--4-- I-----
.887-038 OIL-SPOT WASHER TEXTILE -1- 2 L--4-- I-----
.887-046 PICK REMOVER TEXTILE -2P 2 M--4-- I-----
.887-050 RUG CLEANER CARPET / RUG -1- 2 L--4-6 I-----
.887-054 SHUTTLE EMBROID -2- 2 L--4-6 I---5--
.887-058 SINGER NARROW FABRI -1P 2 L--4-- I-----
.887-062 SPANNER EMBROID -2P 2 L--4-- I-----
.887-070 TOW MOVER CORD / TWINE -1- 1 L-34-- I---5-7
.886-010 BOBBIN-CLEANING-MACHINE OPERAT TEXTILE -2P 2 L--4-- I---5--
.886-014 WASTE CHOPPER WASTE / BATT -2P 2 L-34-- I---5-7
.886-022 CLOTH-SKEINING-REEL-OPERATOR H TEXTILE -2P 1 M--4-- I-----
.886-026 CUTTING-MACHINE OFF-BEARER TEX BAG -2- 2 L--4-- I-----
.886-030 DOFFER ASBESTOS PRO -2P 2 M-34-- I---5-7
.886-034 FALES-MACHINE-OPERATOR HELPER WASTE / BATT -2- 2 M-34-- I-----

Textile Machine Work

 PHYS.D WK COND
 HRP SVP 123456 1234567

689. TEXTILE MACHINE WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-038	FRAME CHANGER	TEXTILE	-1-	2	L--4--	I-----
.886-042	HAIR-SPINNING-MACHINE OPERATOR	FUR DRESSING	-2-	1	H--4--	I--4--7
.886-046	SHUTTLE HAND	TEXTILE	-2P	2	L--4-6	I---5-7
.886-050	SLUBBER DOFFER	TEXTILE	-1-	2	L--4-6	I---5--
.886-054	SPOOLER OPERATOR AUTOMATIC	TEXTILE	-2-	2	L--4--	I-----
.886-058	UTILITY WORKER, WOOLEN MILL	TEXTILE	-2P	2	H-34--	I--4---
.885-014	BALL-FRINGE-MACHINE OPERATOR	TRIM / STAMP	-1-	3	L--4--	I---5--
.885-034	BOBBIN PRESSER	TEX PROD N E	-2-	2	M-34--	I---56-
.885-038	BOBBIN STRIPPER	TEX PROD N E	-2-	2	L--4-6	I---56-
.885-042	BOBBIN WINDER MACHINE	BOOT / SHOE	-2P	2	L--4--	I---5--
.885-046	BRAIDING-MACHINE OPERATOR	ASBESTOS PRO	-2P	3	M--4--	I---5--
.885-050	BUFFING-WHEEL FORMER AUTOMATIC	TEX PROD N E	-3P	2	M--4--	I-----
.885-054	CLOTH REELER	TEXTILE	-2P	2	M-----	I-----
.885-066	FISHING-LINE-WINDING-MACHINE O	CORD / TWINE	-2P	2	L--4--	I-----
.885-074	GARNETTER	FELT GOODS H	-2P	3	M-34--	I-----
.885-078	HELMET COVERER	HAT / CAP	-3P	3	L--4--	I-----
.885-094	NEEDLE-LOOM TENDER	FELT GOODS	-2P	3	L-34--	I---6-
.885-110	REWIND OPERATOR	HOUSE FURN	-2-	2	L--4--	I-----
.885-118	SPLICING-MACHINE OPERATOR AUTO	TEXTILE	-2P	2	L--4--	I-----
.885-122	STRAP BUCKLER MACHINE	GARNMENT	-2P	2	S--4--	I-----
.885-142	TASSEL-MAKING-MACHINE OPERATOR	TRIM / STAMP	-2-	2	L-----	I-----
.885-150	THREAD-CUTTER TENDER	EMBROID	-2P	2	L--4--	I---567
.885-162	WINDER OPERATOR AUTOMATIC	TEXTILE	-2P	2	L--4--	I-----
.782-030	SLITTING-AND-TWISTING MACHINE	FIBER RUGS	-3P	4	M-34--	I---5--
.782-034	STITCHER	EMBROID	-2P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-018	CLOTH DOFFER	TEXTILE	-2P	2	H-34--	I---5--
.885-022	BATTING-MACHINE OPERATOR	TEXTILE WAST	-2-	2	M-34--	I-----
.885-026	BLANKET-CUTTING-MACHINE OPERAT	TEXTILE	-2P	3	M--4--	I-----
.885-070	GARNETT-MACHINE OPERATOR	TEXTILE	-2P	3	M--4--	I-----
.885-114	ROVING WINDER FIBER GLASS	GLASS MFG	-3P	3	H--4-6	I-----
.782-026	PUNCHER	EMBROID	-2P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-062	CLOTH-DOUBLING-AND-WINDING-MAC	TEXTILE	-2P	3	M--4--	I-----
----------	--------------------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030	LOOSE-END FINDER BOBBIN	HOSIERY KNIT	-1P	2	L--4--	I-----
.887-042	PEGGER, DOBBY LOOMS	NARROW FABRI	-2P	2	L--4--	I-----
.887-066	THREADER	TEX PROD N E	-2-	2	S--4-6	I---5--
.885-010	BACK TENDER CLOTH PRINTING	TEXTILE	-3P	2	H-34--	I---567
.885-018	BALLING-MACHINE OPERATOR	TEXTILE	-2-	2	L--4--	I---5--
.885-082	JIGGER-CROWN-POUNCING-MACHINE	HAT / CAP	-2-	3	L--4--	I-----
.885-086	LABEL-CUTTING-AND-FOLDING-MACH	NARROW FABRI	-2-	2	S--4-6	I-----
.885-090	LOOM-WINDER TENDER	TEXTILE	-3P	2	L-34--	I---5--
.885-098	PICK-PULLING-MACHINE OPERATOR	TEXTILE	-2P	2	M--4--	I-----

689. TEXTILE MACHINE WORK, N.E.C. (CONT.)

.885-102	QUILL POLISHER	TEXTILE	-2-	2	L--4--	I-----
.885-106	QUILLER OPERATOR	TEXTILE	-2P	4	L--4-6	I-----
.885-130	SURGICAL-DRESSING MAKER	SURGICAL APP	-2-	2	L--4--	I-----
.885-134	TAPE-FOLDING-MACHINE OPERATOR	RUBBER GOODS	-2-	3	S--4--	I-----
.885-138	TAPE-MAKING-MACHINE OPERATOR	CORD / TWINE	-2-	3	L--4--	I-----
.885-146	THREAD WINDER AUTOMATIC	TEXTILE	-2-	2	L--4--	I-----
.885-154	WATCHER AUTOMAT	EMBROID	-2P	4	L--4-6	I-----
.885-158	WATCHER PANTOGRAPH	EMBROID	-2P	4	L--4-6	I---5--
.782-014	LOOPER	HOSIERY KNIT	-2P	4	S--4-6	I-----
.780-010	EMBLEM-DRAWER-IN	EMBROID	-3P	3	L--4-6	I-----
.687-010	CLOTH EXAMINER HAND	NARROW FABRI	-2P	2	S--4-6	I-----
.685-014	HOOKE-INSPECTOR	TEXTILE	-2-	3	M--4--	I-----
.684-010	BURLER	CARPET / RUG	-2P	3	L--4-6	I-----

Language	Mathematics	Perceptive Reasoning
MODERATE	MINIMUM	MODERATE

.885-030	BLOCKER	ASBESTOS PRO	-2P	2	L--4--	I-----
.885-058	CLOTH WINDER	ANY IND	-2P	2	M-34--	I-----
.885-126	STRINGING-MACHINE TENDER	TEX BAG	-2-	2	S--4--	I---5--
.687-018	YARN EXAMINER SKEINS	TEXTILE	-3P	3	L--4-6	I-----
.685-010	CLOTH EXAMINER MACHINE	TEXTILE	-2-	4	L--4-6	I-----
.685-018	PICK-UP OPERATOR	TEXTILE	-2P	2	L--4-6	I-----
.584-010	CARPET INSPECTOR FINISHED	CARPET / RUG	-3-	4	L-3456	I-----
.387-010	CLOTH GRADER	TEXTILE	-2P	5	L--4-6	I-----

Language	Mathematics	Perceptive Reasoning
MODERATE	MODERATE	MODERATE

.687-014	RUG INSPECTOR	FIBER RUGS	-3-	4	M-3456	I---5--
.384-010	CLOTH TESTER QUALITY	TEXTILE	-3P	4	L--4-6	I-----
.384-018	STROBOSCOPE OPERATOR	TEXTILE	-3P	5	L--4-6	I---5--

MACHINE WORK NOT ELSEWHERE
CLASSIFIED (690.-699.)

Occupations in this area are concerned with the manufacture of products such as boots and shoes, tires and tubes, insulated wire and cable, ammunition, explosives, and household brushes out of materials such as plastics, synthetics, rubber, leather, and resins.

Various of the occupations in this area demand all eight of the combinations of cognitive capabilities. More than half of the occupations make only minimum cognitive demands. Substantial concentrations of occupations demand moderate mathematics only, perceptual processing only, or a combination of mathematics and perceptual processing. Mathematical demands derive from activities such as weighing or measuring product samples to verify that specifications are met, computing factors such as the density of a product sample, and applying conversion factors. Language demands derive from activities such as verbal communication, reading work instructions which include specialized terminology, completing production records, and reporting test results.

Psychomotor skills are required for many of the occupations in this area to operate machinery and perform rapid hand operations. Mechanical skills are useful for machine setup, adjustment, and minor maintenance. Knowledge of fundamental electrical principles can be an asset for occupations involved in the production and testing of electrical products.

The continuing proliferation of new materials and products provides varied entry and career progression opportunities in this area. It is not unusual for job opportunities to stabilize or even decrease as any particular product line ages.

PHYS.D WK COND
 HRP SVP 123456 1234567

690. PLASTICS, SYNTHETICS, RUBBER, AND LEATHER WORKING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 BEVELING-MACHINE OPERATOR	HAT / CAP	-1P	2	L--4--	I-----
.886-014 BIAS-MACHINE-OPERATOR HELPER	RUBBER TIRE	-2P	2	V234--	I-----
.886-018 CRIMPER	RUBBER GOODS	-1-	2	L--4--	I-----
.886-022 FOLDING-MACHINE OPERATOR	HAT / CAP	-1-	2	L--4--	I-----
.886-030 RUBBER-ROLLER GRINDER	PEN / PENCIL	-1-	1	S--4--	I-----
.886-034 SLASHER HELPER	PLASTICS MAT	-2-	2	M--4--	I-----
.886-038 SPLITTING-MACHINE FEEDER	LEATHER MFG	-1P	1	L--4--	I--45-7
.886-042 SWEATBAND FLANGER	HAT / CAP	-1-	2	L--4--	I-----
.886-046 SWEATBAND-CUTTING-MACHINE OPER	HAT / CAP	-1P	2	L--4--	I-----
.886-050 TOGGLE-PRESS FOLDER-AND FEEDER	RUBBER GOODS	-1P	2	S--4--	I-----
.886-054 TUBER-MACHINE-OPERATOR HELPER	RUBBER GOODS	-1-	2	M--4--	I-----
.885-010 ASSEMBLY-PRESS OPERATOR	ANY IND	-1-	2	L--4--	I----6-
.885-022 BANBURY-TAKE-OFF OPERATOR	RUBBER GOODS	-2-	2	H--4--	I-----
.885-026 BAND CUTTER	RUBBER GOODS	-1-	3	M--4--	I-----
.885-030 BAND-MACHINE OPERATOR	RUBBER GOODS	-3-	4	H--4--	I-----7

690. PLASTICS, SYNTHETICS, RUBBER, AND LEATHER WORKING (CONT.)

.885-034 BAND-SAWING-MACHINE OPERATOR	FABRIC PROD	-2P	3	M-34-6	I---5--
.885-038 BOWLING-BALL BUFFER	SPORTS EQUIP	-1-	2	L--4--	I----6-
.885-050 BUFFER	BOOT / SHOE	-1-	3	L--4-6	I-----
.885-058 BURNISHER	BOOT / SHOE	-1-	3	L--4-6	I-----
.885-062 BUTTON-DECORATING-MACHINE OPER	BUTTON	-2-	2	S--4--	I-----
.885-066 CEMENTER AND FOLDER MACHINE	BOOT / SHOE	-1-	3	L--4--	I-----
.885-074 CENTER-PUNCH OPERATOR	PHONOGRAPH	-2P	2	L--4--	I-----
.885-082 CHANNEL CLOSER OUTSOLES MACHIN	BOOT / SHOE	-1-	2	L--4--	I-----
.885-086 CHANNEL OPENER OUTSOLES	BOOT / SHOE	-1-	2	L--4--	I-----
.885-090 CHANNELER INSOLE	BOOT / SHOE	-1-	3	L--4--	I-----
.885-102 COUNTER FORMER	BOOT / SHOE	-1-	2	L--4--	I-----
.885-106 COUNTER MOLDER	BOOT / SHOE	-2-	3	L--4--	I-----
.885-110 COUNTER ROLLER	BOOT / SHOE	-1-	2	L--4--	I---5--
.885-114 CURLER	FABRIC PROD	-1-	2	L--4--	I-----
.885-118 CUT-OUT-AND-MARKING-MACHINE OP	BOOT / SHOE	-2-	3	M--4--	I---6-
.885-122 CUT-OUT-MACHINE OPERATOR	BOOT / SHOE	-2-	2	L--4-6	I-----
.885-126 CUTTER	LINOLEUM	-1-	3	L--4--	I-----
.885-130 CUTTING-MACHINE TENDER	ANY IND	-2-	3	L-34-6	I---6-
.885-134 DESKIDDING-MACHINE OPERATOR	RUBBER GOODS	-3-	2	L--4-6	I-----
.885-138 DICER OPERATOR	PLASTICS MAT	-1-	2	L--4--	I---5--
.885-142 DIELECTRIC TESTER	RUBBER GOODS	-3P	3	M--4-6	I-----
.885-150 EDGE BURNISHER UPPERS	BOOT / SHOE	-1P	3	L--4--	I-----
.885-158 EDGE SETTER	BOOT / SHOE	-2P	3	M--4--	I---5--
.885-162 EDGE TRIMMER	BOOT / SHOE	-1P	4	L--4--	I-----
.885-166 ELECTRIC-SEALING-MACHINE OPERA	FABRIC PLAST	-3P	2	L--4--	I-----
.885-170 EMBOSSER	BOOT / SHOE	-2-	2	L--4--	I-----
.885-174 FASTENER MACHINE	BOOT / SHOE	-2-	3	L--4--	I-----
.885-178 FEATHEREDGER AND REDUCER MACHI	BOOT / SHOE	-2P	2	L--4--	I-----
.885-182 FILM SPOOLER	PHOTO APPARA	-1-	2	L--4--	I-----
.885-190 FOLDER MACHINE	BOOT / SHOE	-1P	3	L--4--	I-----
.885-194 FOLDING-MACHINE OPERATOR	LEATHER PROD	-1-	2	L--4--	I---5--
.885-206 GROOVER AND TURNER	BOOT / SHOE	-1P	2	L--4--	I---5--
.885-214 HEEL COMPRESSOR	BOOT / SHOE	-1-	2	S--4--	I-----
.885-218 HEEL GOUGER	BOOT / SHOE	-2-	3	L--4--	I-----
.885-222 HEEL PRICKER	BOOT / SHOE	-2-	3	L--4--	I---5--
.885-226 HEEL SCORER	BOOT / SHOE	-2-	2	L--4--	I-----
.885-230 HEEL-NAILING-MACHINE OPERATOR	BOOT / SHOE	-2P	2	L--4--	I-----
.885-238 INKER MACHINE	BOOT / SHOE	-1P	2	L--4-6	I-----
.885-242 INSEAM TRIMMER	BOOT / SHOE	-2P	2	L--4--	I-----
.885-246 INSOLE BEVELER	BOOT / SHOE	-2P	2	L--4-6	I-----
.885-250 INSOLE REINFORCER	BOOT / SHOE	-1-	3	L--4--	I---5--
.885-254 JOINT CUTTER MACHINE	BOOT / SHOE	-1P	2	L--4--	I-----
.885-262 LAMINATION STACKER MACHINE	ELEC EQUIP	-1-	2	M--4--	I-----
.885-266 LEATHER-BELT MAKER	LEATHER PROD	-2P	3	L--4-6	I-----
.885-270 LIP CUTTER AND SCORER	BOOT / SHOE	-2-	2	L--4--	I-----
.885-278 LUMITE INJECTOR	BOOT / SHOE	-2P	2	L--4--	I-----
.885-282 MARKER MACHINE	BOOT / SHOE	-2-	3	L--4--	I---5--
.885-286 MAT PUNCHER	RUBBER GOODS	-1-	2	M--4--	I-----
.885-306 NAUMKEAG OPERATOR	BOOT / SHOE	-1P	3	L-34--	I-----
.885-310 NICKER	BOOT / SHOE	-1P	2	L--4-6	I---5--

690. PLASTICS, SYNTHETICS, RUBBER, AND LEATHER WORKING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-318 PLUG CUTTER	PEN / PENCIL -2-	2	L--4-6	I-----
.885-326 POUNDER	BOOT / SHOE -1P	3	L--4--	I-----
.885-342 ROUGH-AND-TRUEING-MACHINE OPER	FABRIC PLAST -3P	3	M--4--	I-----
.885-346 ROUGH-ROUNDER MACHINE	BOOT / SHOE -3P	3	L--4--	I-----
.885-350 ROUNDER	BOOT / SHOE -2P	3	L--4--	I-----
.885-354 SEAM-RUBBING-MACHINE-OPERATOR	BOOT / SHOE -1P	2	L--4--	I-----
.885-358 SIDE LASTER CEMENT	BOOT / SHOE -1P	3	L--4--	I-----
.885-362 SIDE LASTER STAPLE	BOOT / SHOE -2P	3	L--4--	I---5--
.885-378 SOLE LEVELER MACHINE	BOOT / SHOE -1-	2	L--4--	I-----
.885-382 SPLITTING MACHINE OPERATOR	RUBBER GOODS -2-	2	M-34--	I-----
.885-386 STAMPING-MACHINE OPERATOR	BOOT / SHOE -2-	4	L--4-6	I-----
.885-390 STRAP-CUTTING-MACHINE OPERATOR	RUBBER GOODS -3-	2	L--4-6	I-----
.885-394 TACK PULLER MACHINE	BOOT / SHOE -1P	2	L--4--	I-----
.885-398 TAPER MACHINE	BOOT / SHOE -2P	3	L--4--	I---5--
.885-406 TIRE BUFFER	AUTO SER -3-	3	L--4-6	I-----7
.885-414 TOE LASTER AUTOMATIC	BOOT / SHOE -2P	3	L--4--	I-----
.885-418 TREAD-SPLICE PRESSER	RUBBER TIRE -1-	2	M-34--	I-----
.885-422 TRIMMER MACHINE	BOOT / SHOE -1P	3	L--4--	I-----
.885-426 TUBE MOLDER FIBERGLASS	FABRIC PLAST -3P	2	M--4--	I-----
.885-430 TUBE SPLICER	RUBBER TIRE -1-	3	M--4--	I-----
.885-434 UNISHANK MOLDER	BOOT / SHOE -2-	3	L--4--	I-----
.885-438 V-BELT COVERER	RUBBER GOODS -2P	2	L--4--	I-----
.885-442 V-BELT FINISHER	RUBBER GOODS -3-	3	L--4--	I-----
.885-450 VULCANIZER	BOOT / SHOE -1-	2	L--4--	I-----
.885-454 VULCANIZING-PRESS OPERATOR	BOOT / SHOE -2-	3	L-----	I-----
.885-458 WAXER	MOTION PIC -1-	3	L--4--	I-----
.885-462 WELT BEATER	BOOT / SHOE -2P	3	L--4--	I-----
.885-466 WELT CUTTER	BOOT / SHOE -2P	4	L--4--	I-----
.885-470 WELT WHEELER	BOOT / SHOE -2-	2	L--4--	I-----
.885-474 WELT-BUTTER MACHINE	BOOT / SHOE -2P	2	L--4--	I-----
.885-478 WIDTH STRIPPER	BOOT / SHOE -3P	3	L---6	I-----
.782-022 BINDING STITCHER	BOOT / SHOE -2P	4	L--4-6	I---5--
.782-026 BUCKLE SEWER MACHINE	BOOT / SHOE -2P	4	L--4-6	I---5--
.782-030 CUT-OUT STITCHER	BOOT / SHOE -2P	5	S--4-6	I-----
.782-038 EMBOSSER	LEATHER MFG -2-	4	L--4-6	I-----
.782-046 FANCY STITCHER	BOOT / SHOE -2P	4	L--4-6	I---5--
.782-054 HEEL BREASTER LEATHER	BOOT / SHOE -2P	4	L--4--	I---6-
.782-058 HEEL-SEAT FITTER MACHINE	BOOT / SHOE -2-	4	L--4--	I---6-
.782-086 PRESS OPERATOR	FABRIC PLAST -3P	4	M--4--	I-3--6-
.782-098 SEAM-STAY STITCHER	BOOT / SHOE -2P	4	L--4-6	I-----
.782-106 SOLE-CONFORMING-MACHINE OPERAT	BOOT / SHOE -2-	4	L--4--	I-----
.782-110 SPAGHETTI-MACHINE OPERATOR	FABRIC PLAST -3-	4	M--4--	I-----
.782-114 STITCHER SPECIAL MACHINE	BOOT / SHOE -2P	4	L--4-6	I---5--
.782-118 STITCHER STANDARD MACHINE	BOOT / SHOE -2P	4	L--4-6	I---5--
.782-122 STITCHER UTILITY	BOOT / SHOE -2P	4	L--4-6	I---5--
.782-126 TIRE-REGROOVING-MACHINE OPERAT	AUTO SER -2P	4	M-34-6	B-----
.782-130 TOP STITCHER	BOOT / SHOE -2P	4	L--4-6	I---5--
.782-134 TRIMMER	FABRIC PLAST -2P	4	M--4--	I---5-7
.782-138 TRIMMER MACHINE	RUBBER GOODS -2P	4	S--4-6	I-----

690. PLASTICS, SYNTHETICS, RUBBER, AND LEATHER WORKING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-178 TIP FINISHER BOOT / SHOE -3P 2 L--4-- I-----
.885-210 HEEL BUILDER MACHINE BOOT / SHOE -2- 3 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-014 BALL-TRUING-MACHINE OPERATOR SPORTS EQUIP -3- 5 M234-6 I--456-
.782-018 BIAS-MACHINE OPERATOR RUBBER TIRE -3P 4 M--4-- I-----
.782-070 ORNAMENTAL-MACHINE OPERATOR MIRROR / PIC -3- 4 L--4-6 I-----
.780-018 SPLITTER HEAD LEATHER MFG -2- 4 L--4-- I--45-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-026 INJECTION-MOLDING-MACHINE OFF PEN / PENCIL -2- 2 L--4-6 I-----
.885-014 BACK-STRIP-MACHINE OPERATOR RUBBER GOODS -2P 2 L--4-- I-----
.885-042 BOWLING-BALL FINISHER SPORTS EQUIP -2P 2 M--4-6 I---6-
.885-046 BRANDING-MACHINE TENDER RUBBER GOODS -2- 3 M--4-- I-----
.885-054 BUFFER AUTOMATIC RUBBER GOODS -2- 2 L--4-- I---5--
.885-070 CEMENTER MACHINE JOINER BOOT / SHOE -2- 2 L--4-- I-----
.885-078 CHAFER BUILDER RUBBER TIRE -2- 2 M--4-- I-----
.885-094 CONTACT-LENS MOLDER OPTICAL GOOD -3- 2 S--4-6 I-----
.885-146 DUAL-HOSE CEMENTER RUBBER GOODS -3- 2 L--4-- I-----
.885-154 EDGE GRINDER FABRIC PLAST -2P 3 L--4-- I---5-7
.885-198 FOREPART LASTER BOOT / SHOE -2- 2 L--4-- I-----
.885-234 HEEL-SEAT LASTER MACHINE BOOT / SHOE -2- 3 L--4-- I-----
.885-258 LACER BOOT / SHOE -2- 2 L--4-- I-----
.885-274 LIP-OF-SHANK CUTTER BOOT / SHOE -2- 2 L--4-- I-----
.885-290 MOLDED-RUBBER-GOODS CUTTER RUBBER GOODS -2- 2 M--4-- I---6-
.885-294 MOLDER LABELS RUBBER GOODS -3P 2 L--4-- I-----
.885-298 MOLDING-PRESS OPERATOR BAL / SCALES -3P 3 H--4-6 I-----
.885-322 POINTING-MACHINE OPERATOR FABRIC PLAST -1- 3 M--4-- I-----
.885-330 PRESSER RUBBER GOODS -1- 2 L--4-- I-----
.885-334 ROLL CUTTER RUBBER GOODS -2P 2 M--4-- I-----
.885-366 SKIVER LEATHER PROD -2P 4 L--4-6 I-----
.885-374 SLASHER PLASTICS MAT -2P 3 L--4-- I-----
.885-410 TOE FORMER STITCHDOWNS BOOT / SHOE -2P 3 L--4-- I-----
.782-034 CUTTER BARREL DRUM HOUSE FURN -3P 4 H-34-- I-----
.782-082 PLANISHING-PRESS OPERATOR PLASTICS MAT -3P 5 H-3--- I---6-
.782-090 RING-ROLLING-MACHINE OPERATOR RUBBER GOODS -2- 4 L--4-- I-----
.782-142 TRIMMING-MACHINE OPERATOR BUTTON -3P 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-062 FOUNTAIN PEN TURNER PEN / PENCIL -2- 3 L--4-- I---5--
.782-010 ARCH-CUSHION-SKIVING-MACHINE O RUBBER GOODS -3P 4 M--4-- I-----
.782-062 HOT-DIE-PRESS OPERATOR RUBBER GOODS -3- 4 L--4-- I---6-
.782-066 LEAD OPERATOR, AUTOMATIC VULCA RUBBER GOODS -3- 5 M--4-6 I-----
.782-146 TUBER-MACHINE OPERATOR RUBBER GOODS -3P 4 M--45- I-----
.782-150 WEATHERSTRIP-MACHINE OPERATOR RUBBER GOODS -3- 4 M--4-- I-----
.780-022 WAD-BLANKING-PRESS ADJUSTER AMMUNITION -3- 4 L-345- I---5--

690. PLASTICS, SYNTHETICS, RUBBER, AND LEATHER WORKING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-098 COUNTER CUTTER
.885-198 ROLL-OVER-PRESS OPERATOR
.885-302 MOTTLE-LAY-UP OPERATOR

BOOT / SHOE -2- 3 M--4-6 I---5--
OPTICAL GOOD -3- 2 S--4-- I-----
PLASTICS MAT -2- 4 L--4-6 I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-018 BALER
.885-186 FINISHER MACHINE
.885-314 PLATEN GRINDER
.885-370 SKIVER MACHINE
.885-446 V-BELT SKIVER
.885-482 WIRE-WINDING-MACHINE TENDER
.782-042 EMBOSsing-PRESS OPERATOR MOLDE
.782-050 FOXING-CUTTING-MACHINE OPERATO
.782-094 SAWYER
.782-102 SHEETER OPERATOR
.780-010 MACHINE SETTER

PLASTICS MAT -2- 3 L--4-- I---5--
FABRIC PLAST -2- 2 M--4-- I-----
TYPEWRITERS -3- 2 L--4-- I-----
BOOT / SHOE -2P 3 L--4-6 I---5--
RUBBER GOODS -2- 3 L--4-- I-----
RUBBER GOODS -3- 2 H-34-- I-----
LINOLEUM -3- 5 L--4-6 I-3--67
RUBBER GOODS -3P 4 L2-4-- I-----
FABRIC PLAST -2P 5 M--4-- I---56-
PLASTICS MAT -3- 4 L--4-6 I---56-
BUTTON -3- 5 M--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-074 OUTSOLE CUTTER AUTOMATIC
.782-078 OUTSOLE-CUTTING-MACHINE OPERAT

RUBBER GOODS -3- 4 M--4-- I---5--
RUBBER GOODS -3P 4 M--4-6 I---5--

691. INSULATED WIRE AND CABLE FABRICATING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PNEUMATIC JACKETER
.887-014 PRODUCTION HELPER
.886-010 TWISTING-MACHINE OPERATOR
.885-014 LAGGING-MACHINE OPERATOR
.782-010 ASBESTOS-WIRE FINISHER

INSULATED WI -2P 3 M--4-- O-----
INSULATED WI -2P 1 M--4-- I---5--
ELEC EQUIP -1- 2 S--4-- I-----
INSULATED WI -2- 2 M--4-- I-----
INSULATED WI -3P 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 LEAD FORMER
.885-026 SPOOLING-MACHINE OPERATOR
.782-018 EXTRUDING-MACHINE OPERATOR
.782-026 LEAD-PRESS OPERATOR

ELEC EQUIP -2P 2 L--4-6 I-----
INSULATED WI -2P 3 H--4-- I-----
INSULATED WI -3P 4 M--4-- I-----
INSULATED WI -3- 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 ARMORING-MACHINE OPERATOR

INSULATED WI -2P 2 M--4-6 I-----

691. INSULATED WIRE AND CABLE FABRICATING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-030 UTILITY WORKER, EXTRUSION	INSULATED WI	-2P	3	H--4--	I---5--
.885-034 WIRE-STRIPPING-AND-CUTTING-MAC	ANY IND	-3-	2	L--4--	I-----
.782-014 BRAIDER OPERATOR	INSULATED WI	-3P	5	L--4--	I---5--
.782-022 INSULATING-MACHINE OPERATOR	INSULATED WI	-3P	4	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-022 PAIRING-MACHINE OPERATOR	INSULATED WI	-3P	3	M--4--	I-----
.387-010 INSPECTOR INSULATION	INSULATED WI	-3P	5	L--4-6	I-----
.387-014 INSPECTOR WIRE	WIRE	-3-	5	L--4-6	I-----

692. FABRICATION OF PRODUCTS FROM ASSORTED MATERIALS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-014 BASE REMOVER	ELEC EQUIP	-2P	2	M--4--	I-----
.886-018 BOX REMOVER	CORK PROD	-2-	2	H-34--	I-----
.886-022 BROOMCORN SEEDER	BROOM	-1-	2	M--4--	I-----7
.886-026 BULB FILLER	ELEC EQUIP	-1-	1	L--4--	I-----
.886-030 CARBON ROD INSERTER	ELEC EQUIP	-2-	2	L--4-6	I-----
.886-034 CUTTER	BROOM	-2P	2	M--4--	I-----
.886-038 DESIGN ASSEMBLER	LINOLEUM	-1-	2	L--4-6	I-----
.886-042 FORNICA-FABLE-TOP-MOLDING WRAP	FURN	-1-	2	M--4--	I-----
.886-046 GROOVER	ANY IND	-1-	1	L--4--	I---56-
.886-054 NICKER	JEWELRY CASE	-2-	2	L--4--	I-----
.886-066 SPLITTING-MACHINE OPERATOR	HOUSE FURN	-1-	1	L--4--	I-----
.886-070 THIRD DRY-CELL-ASSEMBLING-MACH	ELEC EQUIP	-1-	1	L--4--	I-----
.886-078 WRAPPING-MACHINE TAILER	WOOD PRESERV	-2P	2	M--4--	I---567
.885-014 AIR-HOLE DRILLER	SMOKING PIPE	-2P	2	S--4-6	I-----
.885-026 BUCKLE-FRAME SHAPER	BUTTON	-2P	2	S--4--	I-----
.885-050 CEMENTER MACHINE	RUBBER GOODS	-2P	3	L--4-6	I---6-
.885-058 COMPONENT-INSERTING-MACHINE OP	ELECTRONICS	-2-	2	L--4--	I-----
.885-070 DAUBER-MACHINE OPERATOR	CORK PROD	-2-	2	L--4--	I-----
.885-078 DESIGN INSERTER	FABRIC PLAST	-2P	4	L--4--	I-----
.885-082 DIELECTRIC-PRESS OPERATOR	AUTO MFG	-2-	2	L--4--	I-----
.885-090 DYNAMITE-CARTRIDGE CRIMPER	EXPLOSIVES	-2P	4	M--4-6	I---67
.885-102 FOILING-MACHINE OPERATOR	AMMUNITION	-2-	2	L--4-6	I---6-
.885-110 GASKET WINDER	PIPE / BOILE	-2P	3	L--4--	I-----
.885-114 GLUE-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4--	I---5--
.885-118 GLUING-MACHINE OPERATOR	RUBBER GOODS	-1-	2	L--4--	I-----
.885-126 KICK-PRESS OPERATOR	SURGICAL APP	-2-	3	L--4--	I-----
.885-134 LAMP-SHADE JOINER	FABRIC PROD	-2P	2	L--4--	I-----
.885-162 MOUNTER	ELEC EQUIP	-2-	3	L--4--	I-----
.885-182 PROTECTOR-PLATE ATTACHER	CUT TOOLS	-2-	2	L--4--	I-----
.885-194 SADDLE-AND-SIDE-WIRE STITCHER	PRINT. / PUB	-1-	2	L--4--	I-----
.885-198 SEAL-EXTRUSION OPERATOR	ELEC EQUIP	-2P	2	L--4-6	I-----
.885-202 SEALER DRY CELL	ELEC EQUIP	-2-	3	L-34-6	I-----

692. FABRICATION OF PRODUCTS FROM ASSORTED MATERIALS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-206	SEALING-MACHINE OPERATOR	ELEC EQUIP	-2-	3	L--4--	I-----
.885-210	SEPARATOR OPERATOR	BUTTON	-2P	2	M-34--	I-----
.885-230	SORTER MACHINE	BUTTON	-2-	2	L--4--	I-----
.885-234	SPIRAL-MACHINE OPERATOR	PAPER GOODS	-1-	1	L--4--	I-----
.885-238	SPUN-PASTE-MACHINE OPERATOR	ELEC EQUIP	-2-	2	L--4-6	I---5--
.885-242	STAMPING-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4--	I---5--
.885-246	STAPLER MACHINE	FURN MATT	-2-	3	M--4--	I-----
.885-250	STAPLING-MACHINE OPERATOR	ANY IND	-2-	2	M--4--	I-----
.885-258	STOP ATTACHER	NEEDLE PIN	-2P	1	S--4--	I-----
.885-262	TAPE COATER	ABRASIVE / P	-2-	2	L--4--	I-----
.885-266	TAPER MACHINE	FABRIC PROD	-2P	2	L--4--	I---5--
.885-274	TINSEL-MACHINE OPERATOR	FABRIC PROD	-2-	2	L--4--	I-----
.885-282	TUBE WINDER HAND	PIPE / BOILE	-2P	2	M--4--	I-----
.885-302	WINDOW-SHADE-RING SEWER	WINDOW SHADE	-2P	2	S-----	I-----
.782-042	GAGE OPERATOR	LINOLEUM	-2-	4	L--4--	I-----
.782-046	LEAD-STRIPPING-MACHINE OPERATO	RUBBER GOODS	-3-	4	H-34--	I---67
.782-050	PLATE STACKER MACHINE	ELEC EQUIP	-3-	4	L-34-6	I---5--
.782-058	SALVAGE-MACHINE OPERATOR	AMMUNITION	-3-	4	M--4--	I---6-
.782-070	STRAPPING-MACHINE OPERATOR	WOOD BOX	-2P	4	H--4--	I-----
.782-074	STRING-WINDING-MACHINE OPERATO	MUSICAL INST	-2P	5	L--4-6	I-----
.782-078	SWEEPER-BRUSH MAKER MACHINE	BRUSH	-3-	4	V--4--	I---5--
.782-102	WRAPPING-MACHINE OPERATOR	WOOD PRESERV	-2P	4	M--4--	I---567

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-030	BUTTON STRINGER	KNIT GOODS	-2-	2	L--4--	I-----
.885-034	CANDLE MOLDER MACHINE	CANDLE	-2P	4	M--4-6	I-----
.885-086	DRY-CHARGE-PROCESS ATTENDANT	ELEC EQUIP	-3P	4	M--4-6	I---7
.885-098	FLEX-O-LATOR-MACHINE OPERATOR	MATT / BEDSP	-2P	2	L--4--	I-----
.885-106	FUNNEL COATER AUTOMATIC	ELECTRONICS	-2P	2	L--4--	I-----
.885-130	LAMINATING-MACHINE OPERATOR	FURN	-2-	3	M--4--	I---6-
.885-150	LOADING-MACHINE OPERATOR	AMMUNITION	-2-	2	S--4--	I---6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-122	HINGE ASSEMBLER	JEWELRY CASE	-2-	1	S--4--	I-----
.885-158	MASK SHAPER	ELECTRONICS	-2P	2	L--4--	I-----
.885-166	PALLETIZER TENDER	ASBESTOS PRO	-2-	2	M-34--	I-----
.885-286	VACUUM-APPLICATOR OPERATOR	SIGNS	-2P	2	M--4--	I-----
.885-294	WINDER	SPORTS EQUIP	-2-	2	L--4--	I---5--
.885-298	WINDOW-SHADE CUTTER AND MOUNTE	WINDOW SHADE	-2P	3	L--4-6	I-----
.885-318	ZIPPER-MACHINE OPERATOR	NEEDLE PIN	-2P	2	L--456	I---5--
.782-026	BROOM STITCHER	BROOM	-2P	4	M--4--	I-----
.782-038	FILLING-AND-STAPLING-MACHINE O	BRUSH	-2P	4	M--4-6	I---5--
.782-054	POWER-DRIVEN-BRUSH MAKER	BRUSH	-3P	5	M--4-6	I-----
.782-066	STACKING-MACHINE OPERATOR	ANY IND	-3-	4	L-34-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.886-010	ASSEMBLY-MACHINE OPERATOR	PEN / PENCIL	-2-	2	L--4--	I-----
.886-050	MOUNTER	ELEC EQUIP	-2P	1	S--4--	I-----

692. FABRICATION OF PRODUCTS FROM ASSORTED MATERIALS (CONT.)

.886-062	SPLICER	LINOLEUM	-2P	2	M--4-6	I---5-7
.885-010	ADHESIVE-BANDAGE-MACHINE OPERA	SURGICAL APP	-2-	3	L--4-6	I-----
.885-022	BRAIDING-MACHINE TENDER	RUBBER GOODS	-2P	3	M--4--	I---5-7
.885-042	CAPPING-MACHINE OPERATOR AUTOM	FABRIC METAL	-2-	2	L--4--	I-----
.885-046	CELL TUBER MACHINE	ELEC EQUIP	-2-	2	L--4-6	I---5--
.885-054	COATING-MACHINE OPERATOR	PEN / PENCIL	-2-	2	M--4--	I---5-7
.885-138	LAYING-MACHINE OPERATOR	CORK PROD	-2P	2	L--4--	I-----
.885-170	PINKING-MACHINE OPERATOR	NEEDLE PIN	-2-	2	S--4--	I-----
.885-174	POULTICE-MACHINE OPERATOR	DRUG PREP	-2P	4	L--4--	I-----
.885-186	PUNCH-PRESS OPERATOR	LINOLEUM	-2P	2	S--4-6	I-----
.885-190	RIBBON INKER	PEN / PENCIL	-2-	2	L--4--	I-----
.885-214	SHLUNG-MACHINE OPERATOR SEQUIN	FABRIC PLAST	-2-	2	L--4--	I-----
.885-226	SLICING-MACHINE OPERATOR	BUTTON	-2-	2	S--4-6	I-----
.885-254	STEM MAKER	ELECTRONICS	-2-	2	L--4--	I---5--
.885-270	TAPING-MACHINE TENDER	FABRIC PROD	-2-	3	L--4--	I-----
.885-278	TRIM ATTACHER	CUT TOOLS	-2-	2	L--4--	I-----
.885-290	WICKER MOLDED CANDLES	CANDLE	-2-	3	L--4--	I-----
.885-306	WIRE-TURNING-MACHINE OPERATOR	WOOD BOX	-2-	2	L-34--	I---5--
.885-310	WOOD-WEB-WEAVING-MACHINE OPERA	WINDOW SHADE	-2-	3	M--4-6	I---5--
.885-314	ZIPPER TRIMMER MACHINE	NEEDLE PIN	-2P	2	S--4--	I-----
.782-034	COREMAKING-MACHINE OPERATOR	ELEC EQUIP	-3-	4	L--4--	I---5--
.782-082	TILE-POWER-SHEAR OPERATOR	LINOLEUM	-2P	4	L--4--	I-----
.782-086	TWISTING-MACHINE OPERATOR	BRUSH	-3-	5	L--4-6	I-----
.782-090	UNDERCUTTING-MACHINE OPERATOR	ELEC EQUIP	-3-	4	M--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-074	DE-ICER-ELEMENT WINDER MACHINE	RUBBER GOODS	-2P	4	L-34--	I-----
.782-014	BEAD-FORMING-MACHINE OPERATOR	RUBBER TIRE	-3-	4	M--4--	I-----
.782-018	BORING-AND-FILLING-MACHINE OPE	BRUSH	-3-	5	M--4-6	I-----
.782-030	CALENDER-ROLL PRESS OPERATOR	MACH MFG	-3-	4	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-018	BEAD PREPARER	RUBBER GOODS	-2-	3	H--4--	I-----
.885-038	CAPPING-MACHINE OPERATOR	ELEC EQUIP	-2-	3	L--4-6	I---5--
.885-062	COMPONENT-LEAD FORMER	ELECTRONICS	-2-	3	S--4--	I-----
.885-066	CROWN-ASSEMBLY-MACHINE OPERATO	ANY IND	-3P	2	S--4-6	I---5--
.885-094	FILLING-MACHINE OPERATOR	ELEC EQUIP F	-2-	2	L--4-6	I-----
.885-142	LEVEL-GLASS-VIAL FILLER	CUT TOOLS	-2-	2	L--4--	I-----
.885-154	LOADING-UNIT OPERATOR	AMMUNITION	-2P	2	L--4--	I---6--
.885-178	PRIMER-INSERTING-MACHINE OPERA	AMMUNITION	-2-	2	L--4--	I---56-
.782-094	WAFER-MACHINE OPERATOR	ELEC EQUIP	-3P	4	L--456	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.886-058	PASTING-MACHINE TAKE-OFF WORKE	ELEC EQUIP	-2-	2	L--4-6	I-----
.885-146	LIGHT-BULB ASSEMBLER	ELEC EQUIP	-3P	2	L--4--	I-----
.782-010	ANKLE-PATCH MOLDER	RUBBER GOODS	-3P	4	L--4--	I---6--
.687-010	INSPECTOR FILTER TIP	TOBACCO	-2-	3	L--4-6	I-----

692. FABRICATION OF PRODUCTS FROM ASSORTED MATERIALS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.886-074	UTILITY OPERATOR AUTOMATED DEP	ELECTRONICS	-3-	2	L--4-6	I-----
.885-218	SHOTGUN-SHELL-ASSEMBLY-MACHINE	AMMUNITION	-2-	3	M-34--	I---56-
.885-222	SHOTGUN-SHELL-LOADING-MACHINE	AMMUNITION	-3P	3	L2-456	I---56-
.782-022	BOW-PRESS OPERATOR	SPORTS EQUIP	-3P	4	L--4--	I-----
.782-062	SET-UP MECHANIC, CROWN ASSEMBL	ANY IND	-3-	5	L--4-6	I---5--
.782-098	WIRE-WRAPPING-MACHINE OPERATOR	OFFICE MACH	-3P	4	L--4-6	I-----

694. FABRICATION OF ORDNANCE, AMMUNITION, AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	CLIP-LOADING-MACHINE FEEDER	AMMUNITION	-1-	1	S--4--	I-----
.885-014	BULLET-ASSEMBLY-PRESS OPERATOR	AMMUNITION	-2-	3	M-----	I-----
.885-018	BULLET-LUBRICATING-MACHINE OPE	AMMUNITION	-1-	2	L--4--	I-34-6-
.885-022	FUSE-CAP EXPANDER	AMMUNITION	-1P	2	L--4-6	I---6-
.885-038	RIM-FIRE-PRIMING OPERATOR	AMMUNITION	-1-	3	M--4--	I---6-
.885-042	SHELL-SIEVE OPERATOR	AMMUNITION	-1-	2	H-34--	I---6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-030	PRESS TENDER, PYROTECHNICS	FIREWORKS	-2-	2	M--4--	I---6-
----------	----------------------------	-----------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010	ANVIL-SEATING-PRESS OPERATOR	AMMUNITION	-2-	2	L--4--	I---6-
.885-034	PRIMER-WATERPROOFING-MACHINE O	AMMUNITION	-2-	2	S--4--	I---5--
.782-010	CLIP-LOADING-MACHINE ADJUSTER	AMMUNITION	-2-	4	L-34-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-026	PELLET-PRESS OPERATOR	AMMUNITION	-3-	3	M--4-6	I--4-6-
.782-014	TRACER-BULLET-CHARGING-MACHINE	AMMUNITION	-3-	4	H-34--	I---6-

699. MISCELLANEOUS MACHINE WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	HARNES CLEANER	TEXTILE	-1-	2	M-34--	I--4---
.887-014	MACHINE CLEANER	ANY IND	-1-	2	L-34--	I--456-
.887-022	ROPE CLEANER	TEXTILE	-1-	2	L-34--	I-----
.885-010	BUTTON-ATTACHING-MACHINE OPERA	GARMENT HAT	-2-	2	L--4--	I-----
.885-018	EYELET-MACHINE OPERATOR	ANY IND	-2-	2	L--4--	I-----
.885-022	EYELET-PUNCH OPERATOR	MATT / BEDSP	-2P	2	L--4--	I-----
.885-026	POWER-SCREWDRIVER OPERATOR	ANY IND	-2P	2	L--4--	I---56-
.885-030	RIVETING-MACHINE OPERATOR	ANY IND	-2-	2	L--4--	I---6-
.782-010	BINDING CUTTER SYNTHETIC CLOTH	TEXTILE	-2P	4	H--4--	I-----

699. MISCELLANEOUS MACHINE WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-018 OILER ANY IND -2- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-026 SLITTING-MACHINE-OPERATOR HELP ANY IND -3P 2 H-34-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-030 ROLL-SHEETING CUTTER ARTIF LEATHE -2P 4 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-014 CUTTER MACHINE ANY IND -3P 2 L--4-- I-----

.782-026 RIVETING-MACHINE OPERATOR ANY IND -3P 5 M-34-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.782-014 CUTTER GLOVE / MIT -3P 4 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018 CUTTER OPERATOR ANY IND -3P 4 M--4-6 I----6-

.782-022 DIE CUTTER ANY IND -3- 4 L--4-6 I-----

.782-034 SLITTING-MACHINE OPERATOR ANY IND -3P 4 H--4-- I-----

(7.) BENCH WORK
OCCUPATIONS

(7.) BENCH WORK OCCUPATIONS

FABRICATION AND REPAIR OF METAL PRODUCTS (700.-709.)

Occupations in this area are concerned with fabricating, assembling, repairing, and reconditioning products which are usually made of metal but which may also be made wholly or in part from plastic or other materials. Representative products include tools, jewelry, silverware, typewriters, firearms, sewing machines, air conditioners, saw blades, lathe bits, agricultural equipment, water pumps, mechanical locks and keys, vending machines, and hydraulic cylinders.

The various occupations in this area demand all eight of the combinations of cognitive capabilities. About 30 percent demand minimum cognitive capabilities and another 30 percent demand only perceptual processing. Substantial numbers demand a combination of language and perceptual processing and a combination of language, mathematics, and perceptual processing. Perceptual processing demands derive from activities such as interpreting blueprints and pictorial drawings; making templates and jigs to ensure proper alignment of parts; positioning parts in specified spatial relationships; evaluating the extent of wear on the surface of bearings; comparing the contour of a reworked tool face with a new tool; and inspecting products for adherence to dimensional and construction quality specifications. Language demands for assembly and fabrication occupations primarily involve understanding verbal instructions from supervisors. Workers involved in repair must additionally interpret written specifications, customer orders, and descriptions of malfunction symptoms. Mathematics demands derive from measuring components to verify that they meet specifications.

Psychomotor skills are commonly required for the use of hand tools and the manipulation of parts. Knowledge of basic mechanical, electrical, and chemical principles can be an asset to various of the occupations.

Both automation and foreign competition have tended to restrict assembly and fabrication occupations. Recent emphases on energy and materials conservation suggest that repair occupations may be due for increased opportunities, but evidence of a clear trend has not yet emerged.

PHYS.D WK COND
HRP SVP 123456 1234567

700. FABRICATION, ASSEMBLY, AND REPAIR OF JEWELRY AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOILER-OUT	JEWELRY	-2-	2	L--4--	I-----
.887-018 CHARGER	JEWELRY	-2P	2	S--4--	I-----
.887-022 MELTER	JEWELRY	-2-	2	L--4--	I-3--6-
.887-026 MOLD-MAKER HELPER	JEWELRY	-1P	1	L--4--	I-----
.887-030 PLANISHER	JEWELRY	-2P	2	L--4--	I-----

Fabrication and Repair of Metal Products

PHYS.D WK COND
HRP SVP 123456 1234567

700. FABRICATION, ASSEMBLY, AND REPAIR OF JEWELRY AND RELATED PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-038 PREPARER	JEWELRY	-2P	2	S--4--	I-----
.887-042 RIVETER	JEWELRY	-2P	3	L--4--	I-----
.887-046 SCRAPER	JEWELRY	-2P	2	S--4--	I-----
.884-010 ARBORER	JEWELRY	-2P	2	L--4--	I-----
.884-014 ASSEMBLER	JEWELRY	-2P	3	S--4-6	I-----
.884-022 CHAIN MAKER MACHINE	JEWELRY	-2P	3	L--4-6	I-----
.884-026 DRILLER	JEWELRY	-1P	3	S--4-6	I-----
.884-030 EARRING MAKER	JEWELRY	-2P	3	S--4-6	I-----
.884-034 FILER	JEWELRY	-2P	3	L--4-6	I-----
.884-038 GOLD CUTTER	GOLD LEAF	-2-	4	L--4--	I-----
.884-042 HOLLOW-HANDLE-KNIFE ASSEMBLER	SILVERWARE	-3P	2	L--4--	I-----
.884-046 JIGSAWYER	JEWELRY	-2P	4	L--4-6	I-----
.884-058 OXIDIZER	SILVERWARE	-1-	2	L-34--	I-----
.884-082 STRETCHER	JEWELRY	-2P	3	S--4--	I-----
.884-086 WATCH-BAND ASSEMBLER	JEWELRY	-1P	3	L--4-6	I-----
.781-018 SOLDERER	JEWELRY	-2P	5	S--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-014 CASTER HELPER	JEWELRY	-2-	3	L--4--	I-----
------------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-034 POLISHER	JEWELRY	-2P	3	S--4--	I---5--
.884-018 BRIGHT CUTTER	JEWELRY	-2P	3	S--4-6	I-----
.884-054 MESH CUTTER	JEWELRY	-2P	3	S--4--	I-----
.884-074 RING STAMPER	JEWELRY	-2P	5	L--4-6	I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-066 PREPARER SAMPLES AND REPAIRS	JEWELRY	-2P	4	L--4-6	I-----
---------------------------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-070 PROFILE-SAW OPERATOR	SILVERWARE	-2P	3	L--4-6	I---56-
.884-078 SILVERWARE ASSEMBLER	SILVERWARE	-2P	2	L-34--	I---5--
.687-010 INSPECTOR	JEWELRY	-3P	4	S--4-6	I-----

701. FABRICATION, ASSEMBLY, AND REPAIR OF TOOLS AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 BLADE BALANCER	AGRIC EQUIP	-1-	1	S--4--	I-----
.887-022 SCISSORS HONER	ANY IND	-1P	2	S--4-6	I-----
.887-026 WEDGER MACHINE	CUT TOOLS	-2P	2	M--4--	I---56-
.884-014 LEVEL-VIAL SETTER	CUT TOOLS	-2P	3	L--4--	I-----

701. FABRICATION, ASSEMBLY, AND REPAIR OF TOOLS AND RELATED PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 ASSEMBLER	CUT TOOLS	-2P	2	L--4-6	I---5--
.887-018 COLD-PRESS LOADER	CUT TOOLS	-2P	2	M--4--	I-----
.884-010 CALIBRATOR	CUT TOOLS	-2-	4	L--4--	I-----
.884-018 SAW SETTER	STONework	-3P	5	M234-6	B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-022 SAW-EDGE FUSER CIRCULAR	CUT TOOLS	-3-	4	M--4--	I-----
.781-010 REPAIRER, HANDTOOLS	CUT TOOLS	-3P	5	M--4-6	I-----
.687-010 LEVEL-VIAL CURVATURE GAGER	CUT TOOLS	-2-	3	S--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-030 TOOL-MAINTENANCE WORKER	TYPEWRITERS	-3P	3	L--4--	I-----
----------------------------------	-------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-026 TOOL FILER	POTTERY / PO	-3P	5	L--4-6	I-----
.687-014 LEVEL-VIAL INSPECTOR-AND-TESTE	CUT TOOLS	-2-	2	L--4-6	I-----
.684-010 INSPECTOR OPEN DIE	CUT TOOLS	-2-	4	L--4-6	I---5--

703. SHEET-METAL PRODUCTS ASSEMBLY AND REPAIR, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 PAIL BAILER	TINWARE	-2P	2	L--4--	I-----
.887-018 STEEL-BARREL REAMER	COOPERAGE	-1-	2	L--4--	I-----
.884-018 TEMPLATE CUTTER	CUT TOOLS	-2P	2	L--4-6	I-----
.687-014 TESTING-MACHINE OPERATOR	TINWARE	-1-	2	L--4--	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 BENCH-SHEARS OPERATOR	FURN	-2P	5	M--4-6	I-----
.884-014 CUPBOARD BUILDER	FURN	-3P	4	L--4--	I-----
.687-010 METAL-FINISH INSPECTOR	FURN	-3-	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-012 ASSORTER	IRON / STEEL	-3-	4	M--4--	I-----
.587-010 METAL-FINISH INSPECTOR	ANY IND	-3-	5	H--4-6	I-----

704. ENGRAVING, ETCHING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CLEANER	ENGRAVING	-1-	1	L--4--	I-----
.887-014 ETCHER HAND	CUT TOOLS	-2-	3	L--4--	I-----

Fabrication and Repair of Metal Products

PHYS.D WK COND
HRP SVP 123456 1234567

704. ENGRAVING, ETCHING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-034 SILK-SCREEN ETCHER

ENGRAVING -2- 3 L--4-6 I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022 ENGRAVER PANTOGRAPH

ENGRAVING -3P 3 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 ENGRAVER MACHINE

ENGRAVING -2P 2 S--4-- I-----

.884-014 ENGRAVER MACHINE

ENGRAVING -2P 3 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-026 ETCHED-CIRCUIT PROCESSOR

ELECTRONICS -3- 4 L--4-6 I-----7

.587-010 SPOILAGE WORKER

TINWARE -3P 4 L--4-6 I----6-

705. FILING, GRINDING, BUFFING, CLEANING, AND POLISHING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 JIGGER

JEWELRY -1P 2 L--4-- I-----

.887-022 PACKET POLISHER

NEEDLE PIN -1P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014 BLADE GROOVER

CUT TOOLS -2P 2 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 LABORER GRINDING AND POLISHING

ANY IND -2P 2 M--4-- I---5-7

.887-018 METAL SANDER AND FINISHER

FURN -2P 3 L--4-- I-----

.884-022 FILER AND SANDER

SHAPED WOOD -2P 3 L--4-- I-----

.884-042 GREASE BUFFER

SILVERWARE -2P 4 L--4-6 I---567

.884-074 POLISHER AND BUFFER

ANY IND -2P 2 M--4-6 I-----

.884-090 SNAG GRINDER

FOUND -2P 3 H-34-- I----67

.884-094 STRAPPER AND BUFFER

SHAPED WOOD -2P 3 L--4-6 I-----7

.884-098 TELEVISION-PICTURE-TUBE BUFFER

ELECTRONICS -2P 2 M--4-- I-----7

.884-102 TRIMMER

SILVERWARE -2P 4 S--4-6 I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 FILER HAND

CUT TOOLS HA -2P 3 L--4-6 I-----

.884-038 GOLD-NIB GRINDER

PEN / PENCIL -2P 2 L--4-6 I-----

.884-046 GRINDER

ANY IND -2P 3 M--4-6 I---567

.884-054 METAL FINISHER

ANY IND -3P 5 L--4-6 I---567

.884-066 NIB FINISHER

PEN / PENCIL -2P 4 L--4-6 I-----

.884-070 POLISHER

ANY IND -3P 3 M--4-6 I---5-7

.884-078 POLISHER APPRENTICE

ANY IND -3P 2 M--4-6 I---5-7

705. FILING, GRINDING, BUFFING, CLEANING, AND POLISHING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-058 MOLD FINISHER
.884-062 MOTHER REPAIRER
.884-082 POLISHER SAND
.781-014 FILLER REPAIRER

MACH SHOP -3P 5 M--4-6 I-----
PHONOGRAPH -2P 4 L--4-6 I-----
SILVERWARE -3P 5 L--4-6 I---5-7
FIREARMS -3P 5 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 BENCH GRINDER
.884-030 FILER HAND TOOL
.884-034 FINAL FINISHER FORGING DIES
.884-050 GRINDER-CHIPPER
.781-018 LAPPER HAND TOOL

ANY IND -2P 3 M--4-- I--4567
MACH SHOP -3P 5 L--4-6 I-----
MACH SHOP -3P 5 M--4-6 I-----
ANY IND -3P 4 H234-6 I---567
MACH SHOP -3P 5 L--4-6 I-----

706. METAL UNIT ASSEMBLING AND ADJUSTING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-022 PUSH-CONNECTOR ASSEMBLER
.884-010 AIR-CONDITIONING-COIL ASSEMBLE
.884-030 ATOMIZER ASSEMBLER
.884-034 BAR AND FILLER ASSEMBLER
.884-054 DRAWER UPFITTER
.884-082 LOCK INSTALLER
.884-086 METAL-BED ASSEMBLER
.884-090 PLUMBING-HARDWARE ASSEMBLER
.884-114 VALVE GRINDER
.884-130 WRAPPER OPERATOR

ELEC EQUIP -2P 2 L--4-- I-----
REFRIGERAT E -3P 3 M--4-- I-----
FABRIC PROD -2P 2 S--4-6 I-----
FURN -2P 2 L--4-- I-----
FURN -2P 4 M--4-- I-----
FURN -2P 3 L--4-- I-----
FURN -2P 3 M--4-- I-----
PLUMB SUPPLI -2P 2 L--4-- I---5--
MACH SHOP -2P 5 M--4-6 I-----
SPRING -2P 2 M-34-- I-3-5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.587-010 SORTER

TYPEWRITERS -2P 2 M-34-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 ASSEMBLER PRODUCTION
.887-018 FAN-BLADE ALINER
.887-026 TYPE-SOLDERING-MACHINE OPERATO
.884-022 ASSEMBLER SMALL PARTS
.884-058 FITTER
.884-062 HYDRAULIC-CHAIR ASSEMBLER
.884-078 LOCK ASSEMBLER
.884-094 SOLDERER-AND-SCRAPER
.884-102 SPRING ASSEMBLER
.884-110 TABLE INSTALLER
.884-118 VENDING-MACHINE ASSEMBLER
.687-010 CLUTCH INSPECTOR
.687-018 INSPECTOR TYPE
.382-014 TESTER SOUND
.381-018 ASSEMBLY INSPECTOR

ANY IND -2P 2 M--4-- I-----
ELEC EQUIP -2P 2 L--4-6 I-----
TYPEWRITERS -2P 2 S--4-- I-----
ANY IND -2P 2 L--4-6 I-----
ANY IND -2P 5 H-34-6 I---56-
FURN -3P 5 L--4-6 I-----
HARDWARE -2P 2 S--4-- I---5--
MUSICAL INST -2P 3 L--4-6 I-----
SPRING -3P 4 H--4-- I-----
LIGHT HEAT -3P 4 L--4-6 I---67
COIN MACH -2P 5 L--4-- I-----
AUTO MFG -2- 2 M-34-- I-----
TYPEWRITERS -2- 2 S--4-6 I-----
MACH MFG -3- 4 L--45- I-----
AGRIC EQUIP -3P 5 L--4-6 I-----

Fabrication and Repair of Metal Products

PHYS.D WK COND
HRP SVP 123456 1234567

706. METAL UNIT ASSEMBLING AND ADJUSTING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-014	CLEANER-TOUCH-UP WORKER	TYPEWRITERS	-3P	2	M--4-6	I-----
.884-042	BENCH ASSEMBLER	AGRIC EQUIP	-3P	2	L--4--	I-----
.884-046	BENCH HAND	MOTOR / BICY	-3P	3	M--4--	I-----
.884-050	DRAPERY-ROD ASSEMBLER	RET TR	-2P	3	M--4--	I-----
.884-098	SOLDERER-ASSEMBLER	WELDING	-3P	4	M--4-6	I----67
.781-014	INTERNAL-COMBUSTION-ENGINE SUB	ENGINE / TUR	-3P	5	M--4--	I-----
.687-014	INSPECTOR ALINING	TYPEWRITERS	-3P	4	M--4-6	I-----
.387-010	INSPECTOR AUTOMATIC TYPEWRITER	TYPEWRITERS	-3P	4	M--456	I-----
.387-014	MACHINE TESTER	OFFICE MACH	-3P	2	L--4-6	I-----
.382-010	FUNCTIONAL TESTER TYPEWRITERS	TYPEWRITERS	-3P	4	S--456	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-014	ASSEMBLER	OFFICE MACH	-3P	5	M--4-6	I-----
.884-038	BEARING-RING ASSEMBLER	MACH MFG	-2P	3	L--4-6	I-----
.884-070	WHEEL-TRUING MACHINE TENDER	MOTOR / BICY	-3P	2	M--4-6	I-----
.781-022	WHEELWRIGHT	AUTO SER	-3P	5	H-34--	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018	ASSEMBLER PRODUCT	MACH SHOP	-3P	3	M--4-6	I-----
.884-026	ASSEMBLER TYPE-BAR-AND-SEGMENT	TYPEWRITERS	-3P	4	L--4-6	I-----
.884-066	INJECTOR ASSEMBLER	ENGINE / TUR	-3P	5	L--4-6	I-----
.884-070	INSTRUMENT-PANEL ASSEMBLER	AIRCRAFT MFG	-3P	4	L--4-6	I-----
.884-106	SUBASSEMBLER	OFFICE MACH	-3P	4	L--4-6	I-----
.884-122	WHEEL LACER AND TRUER	MOTOR / BICY	-3P	4	M--4-6	I-----
.781-010	ASSEMBLER	MACH MFG	-3P	5	M-34--	I----6-
.687-022	ROLLER-BEARING INSPECTOR	MACH MFG	-2-	3	S--4--	I-----

709. FABRICATION, ASSEMBLY, AND REPAIR OF METAL PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CIRCULAR KNITTING-NEEDLE BENDER	NEEDLE PIN	-1-	2	S--4--	I-----
.887-014	CLEANER AND POLISHER	ANY IND	-1-	1	L--4--	I-----
.887-018	CLEANER FURNITURE	FURN	-1P	2	M--4--	I---5--
.887-022	FABRIC STRETCHER	MATT / BEDSP	-2P	3	L--4--	I-----
.887-026	FRAME MAKER	UMBRELLA	-2P	2	L--4--	I-----
.887-030	IMPELLER ASSEMBLER	ELEC EQUIP	-2P	2	S--4-6	I-----
.887-042	SPRING TESTER	SPRING	-1-	2	L--4--	I-----
.887-046	TABLE AND DESK FINISHER	FURN	-1-	2	L-----	I-----
.887-050	TIN-CONTAINER STRAIGHTENER	TOBACCO	-1-	2	L--4--	I-----
.884-038	CLIP-BOLTER-AND-WRAPPER	SPRING	-2P	3	M--4--	I---5--
.884-070	RIVETER HAND	ANY IND	-2P	2	M--4--	I---5--
.884-094	STAB SETTER AND DRILLER	CUT TOOLS	-2P	3	L--4--	I-----
.884-114	WIRE-ROPE-SLING MAKER	WIREWORK	-2P	5	M--4--	I-----

709. FABRICATION, ASSEMBLY, AND REPAIR OF METAL PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-034	LABORER TIN CAN	TINWARE	-3P	2	H-34--	I-----
.887-038	SALVAGE REPAIRER HELPER	PETROL REFIN	-2P	4	H-34--	O--4-67
.887-054	TUBE BENDER HAND	ANY IND	-1P	2	L--4--	I-----
.887-058	WIRE-BASKET MAKER	WIREWORK	-1P	2	M--4--	I-----
.884-010	ADJUSTER	FURN	-2P	3	M--4--	I-----
.884-022	BIRD-CAGE ASSEMBLER	WIREWORK	-2P	4	M--4--	I-----
.884-034	CIGARETTE-LIGHTER REPAIRER	ANY IND	-2P	3	S--4-6	I-----
.884-046	HAND STAMPER	ANY IND	-1P	3	M--4-6	I-----
.884-054	KEY CUTTER	ANY IND	-3P	2	L--4-6	I---5--
.884-062	REAMER HAND	MACH SHOP	-1P	5	M--4-6	I-----
.884-066	REPAIRER	FURN	-2P	5	L-34-6	I-----
.884-086	SPRING FITTER	SPRING	-3P	5	M-34--	I---5--
.884-106	TUBE BENDER HAND	ANY IND	-2P	4	L--4--	I-----
.884-110	WIRE-FRAME-TAMP-SHADE MAKER	FABRIC PROD	-2P	4	L--4--	I-----
.884-122	WIRE-SCREEN WEAVER HAND	WIREWORK	-1P	3	M--4--	I-----
.884-126	WIREFORKER	AIRCRAFT MFG	-2P	4	M--4--	I-----
.687-014	PROOF-COIN COLLECTOR	GOV SER	-2-	4	L--4-6	I---5--
.687-018	SPRING INSPECTOR	SPRING	-3P	4	H--4--	I---5--
.687-022	ZYGLO INSPECTOR	ANY IND	-3P	4	H--4-6	I-----
.684-010	ASSEMBLY-LINE INSPECTOR	FURN	-2P	4	-----	-----
.382-010	SEWING-MACHINE TESTER	MACH MFG	-3P	5	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-090	SPRING LOOPER HAND	SPRING	-2P	2	S--4-6	I-----
.884-118	WIRE-ROPE-SLING-MAKER HELPER	WIREWORK	-2P	3	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-010	INSPECTOR WIRE PRODUCTS	WIREWORK	-3P	2	L--4--	I-----
.587-010	INSPECTOR	CUT TOOLS	-3-	2	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-030	CAGE MAKER	CONC PROD	-3P	5	H-34--	I---6-
.884-050	HOT-TOP LINER	IRON / STEEL	-3P	3	H--4--	B-3-5-7
.884-078	SHEARER AND TRIMMER WIRE SCREE	WIREWORK	-2P	3	M--4-6	I-----
.884-098	STRAIGHTENER HAND	ANY IND	-2P	5	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014	ASSEMBLER PRODUCTION LINE	STRUCT / ORN	-3P	2	L-34--	I---5--
.884-026	CABLE SWAGER	AIRCRAFT MFG	-3P	5	L--4--	I---5--
.884-042	FIRE-EXTINGUISHER REPAIRER	ANY IND	-3P	3	M-34-6	I-----
.884-074	SALVAGE REPAIRER	PETROL REFIN	-3P	5	H-34--	O--4-67
.884-082	SILK-SCREEN-FRAME ASSEMBLER	ANY IND	-2P	3	L--4--	I-----
.884-102	TORCH STRAIGHTENER AND HEATER	ANY IND	-2P	4	H-34-6	I-3-567
.781-018	PROPELLANT LOADER	AIRCRAFT MFG	-3P	5	M--4--	I---6-
.781-022	WEAVER BENCH LOOM	WIREWORK	-3P	5	M--4-6	I-----
.387-010	INSPECTOR TIN CAN	TINWARE	-3P	5	L--4-6	I---5--

ASSEMBLY AND REPAIR OF SCIENTIFIC APPARATUS (710.-719.)

Occupations in this area normally center around equipment which is technically sophisticated and which must function with great precision.

Various of the occupations demand each of the eight combinations of cognitive capabilities. Nearly a fourth of the occupations make only minimum cognitive demands, but approximately an equal number make at least moderate demands on all three types of cognitive capability. Somewhat less than one-fourth of the occupations demand only perceptual processing and substantial numbers demand a combination of language and mathematics or language and perceptual processing. Perceptual processing demands derive from activities such as interpreting blueprints, pictorials, and schematics and the detection of flaws. Language demands derive mostly from verbal communications for assembly and fabrication occupations. In addition, repair occupations commonly derive language demands from activities such as reading technical specifications and writing records of troubleshooting or repair results. Mathematics demands derive from activities such as measuring parts to verify conformance to specifications and the computation of test data to evaluate the performance of apparatus or to assist in isolating malfunctions.

Finger dexterity is important for many of the occupations in this area. Mechanical and electrical knowledge is important for testing and troubleshooting. Basic knowledge of the chemical processes used in some of the occupations can be an asset.

Foreign competition tends to be extremely stiff for assembly and fabrication and this tends to hold down entry as well as career progression possibilities.

PHYS.D WK COND
HRP SVP 123456 1234567

710. FABRICATION AND REPAIR OF INSTRUMENTS FOR MEASURING AND CONTROLLING

Language	Mathematics	Perceptual Processing					
MINIMUM	MINIMUM	MINIMUM					
.887-010 BELLOWS CRIMPER			INST / APP	-2P	3	L--4--	I--4--
.887-018 DEWAXER			INST / APP	-1-	1	S--4--	I-----
.887-030 TIE-UP WORKER			BAL / SCALES	-2P	3	H--4--	I-----
.884-042 FILLER			INST / APP	-2P	5	L--4--	I-----
.884-046 FLOAT-TANK CALIBRATOR			INST / APP	-2P	4	L--4-6	I----6-
.884-058 GAS-GOVERNOR-REPAIRER HELPER			LIGHT HEAT	-2P	2	M234--	B-----67
.884-062 GAS-METER PACKER			LIGHT HEAT	-2P	4	M--4--	I-----
.884-078 INSTRUMENT-MECHANIC HELPER			LIGHT HEAT	-2P	4	L234--	I-3-56-
.884-086 METER-REPAIRER HELPER, VOLUME			ANY IND	-2P	4	L-34--	I-----
.684-010 DIP-AND-SLOW-LIGHT TESTER			LIGHT HEAT	-2P	3	M--4-6	I--4--

Language	Mathematics	Perceptual Processing					
MINIMUM	MODERATE	MINIMUM					
.884-022 BELLOWS CHARGER			INST / APP	-3P	3	M--4--	I-3--6-
.884-026 BELLOWS CHARGER			INST / APP	-3P	3	M--4--	I-----

710. FABRICATION AND REPAIR OF INSTRUMENTS
FOR MEASURING AND CONTROLLING (CONT.)

.884-054	GAGE CALIBRATOR	INST / APP	-2P	5	L--4-6	I----6-
.884-074	GRADUATING-MACHINE OPERATOR	INST / APP	-3P	5	L--4--	I-----
.884-082	INSTRUMENT-REPAIRER HELPER	ANY IND	-2P	5	M234--	B--456-
.884-110	SPEEDOMETER CALIBRATOR	INST / APP	-3P	3	S--4-6	I-----
.884-122	THERMOSTAT SETTER	INST / APP	-3P	3	S--4-6	I-----
.684-014	SLOW-MOTION TESTER	LIGHT HEAT	-3P	3	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014	BELLOWS TESTER	INST / APP	-2P	3	L--4-6	I-----
.887-022	GAS-METER-REPAIRER HELPER	LIGHT HEAT	-3P	2	M--45-	I-----
.887-026	INSTRUMENT CHECKER	INST / APP	-2-	3	L--4-6	I-----
.884-010	AGATE SETTER	BAL / SCALES	-3P	3	S--4-6	I-----
.884-066	GAS-METER STRIPPER	LIGHT HEAT	-2P	3	M--4--	I-----
.884-070	GAS-METER-DIAPHRAGM INSTALLER	LIGHT HEAT	-2P	4	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-030	CALIBRATOR	INST / APP	-3P	3	S--4-6	I-----
.884-034	CALIBRATOR	INST / APP	-3P	3	L--4--	I-----
.884-038	CHANNEL TESTER	LIGHT HEAT	-3P	3	M--4-6	I-----
.884-050	FREQUENCY-METER ALINER	ELECTRONICS	-3P	4	L--4--	I-----
.884-098	SEALER	BAL / SCALES	-2P	5	M--4-6	I-----
.884-118	THERMOSTAT CALBRATOR	INST / APP	-3P	5	L--456	I-----
.687-022	THERMOSTAT ADJUSTER	INST / APP	-2P	3	S--4--	S-34--
.387-010	CALIBRATION CHECKER	INST / APP	-2-	3	L--4-6	I--4-6-
.387-018	TESTER REGULATOR	SPORTS EQUIP	-3P	4	L--4-6	I---5--
.384-014	METER INSPECTOR	LIGHT HEAT	-3P	4	L-34-6	B-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-090	PARKING METER MAINTAINER	GOV SER	-3P	4	M-34-6	O-----
----------	--------------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-114	THERMOSTAT ASSEMBLER	INST / APP	-3P	3	S--4-6	I-----
.687-014	INSPECTOR ETCHED-METAL PARTS	INST / APP	-3-	2	S--4-6	I-----
.384-018	PASSER AND FINISHER CLINICAL T	INST / APP	-3P	5	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014	ASSEMBLER	BAL / SCALES	-3P	5	L--4-6	I-----
.884-018	ASSEMBLER	INST / APP	-3P	3	L--4-6	I-----
.884-094	SCROLL ASSEMBLER	BAL / SCALES	-2P	4	L--4--	I-----
.884-102	SLIDE PROCESSOR	INST / APP	-3P	3	L--4--	I-----
.884-106	SPEEDOMETER ASSEMBLER	INST / APP	-3P	2	L--4-6	I-----
.884-126	VALVE ASSEMBLER	INST / APP	-3P	3	L--4-6	I-----
.781-018	STEAM METER REPAIRER	LIGHT HEAT	-3P	5	M--4-6	I-----
.781-022	THERMOSTAT REPAIRER	INST / APP	-3P	5	M--4-6	I-----
.687-010	CALIBRATION CHECKER	INST / APP	-3-	4	M--4-6	I-----

710. FABRICATION AND REPAIR OF INSTRUMENTS
FOR MEASURING AND CONTROLLING (CONT.)

Language	Mathematics	Perceptual Processing					
MODERATE	MODERATE	MODERATE					
.687-018	SPEEDOMETER INSPECTOR	INST / APP	-3-	3	S--4-6	I-----	
.387-014	ROVING INSPECTOR	INST / APP	-3-	5	M--4-6	I-----	
.384-010	INSPECTOR MECHANICAL AND ELECT	ELEC EQUIP	-3P	4	L--4-6	I-----	
.384-022	SALVAGE INSPECTOR	INST / APP	-3P	5	M--4-6	I-----	
.281-078	WATER-METER REPAIRER	WATERWORKS	-3P	5	M-34--	B--4---	

711. FABRICATION AND REPAIR OF OPTICAL INSTRUMENTS AND LENSES

Language	Mathematics	Perceptual Processing					
MINIMUM	MINIMUM	MINIMUM					
.887-010	CONTACT-LENS-FLASHING PUNCHER	OPTICAL GOOD	-2P	2	L--4--	I-----	
.887-014	LENS CEMENTER	OPTICAL GOOD	-3P	2	S--4--	I-----	
.887-018	POLISHING-PAD MOUNTER	OPTICAL GOOD	-2-	2	L--4--	I-----	
.884-010	BENCH WORKER	OPTICAL GOOD	-2P	2	S--4--	I-----	

Language	Mathematics	Perceptual Processing					
MINIMUM	MINIMUM	MODERATE					
.884-038	MULTIFOCAL-BUTTON ASSEMBLER	OPTICAL GOOD	-3P	3	S--4-6	I---	-
.884-042	MULTIFOCAL-LENS ASSEMBLER	OPTICAL GOOD	-3P	4	S--4-6	I-----	
.687-018	LENS-COATING INSPECTOR	OPTICAL GOOD	-1-	2	S--4-6	I-----	

Language	Mathematics	Perceptual Processing					
MODERATE	MODERATE	MINIMUM					
.884-014	GRINDER HAND	OPTICAL GOOD	-3P	2	L--4--	I-----	
.781-022	MULTIFOCAL-BUTTON GRINDER	OPTICAL GOOD	-3P	5	M--4-6	I--45--	

Language	Mathematics	Perceptual Processing					
MODERATE	MINIMUM	MODERATE					
.884-026	LENS POLISHER I	OPTICAL GOOD	-3P	3	L--4-6	I-----	
.587-010	INSPECTOR MULTIFOCAL LENS	OPTICAL GOOD	-2-	3	L--4-6	I-----	

Language	Mathematics	Perceptual Processing					
MINIMUM	MODERATE	MODERATE					
.884-046	OPTICAL-GLASS ETCHER	OPTICAL GOOD	-3P	2	S--4--	I-----	
.781-010	BEVELER	OPTICAL GOOD	-2P	5	L--4--	I-----	
.687-014	LENS-BLANK GAGER	OPTICAL GOOD	-2P	2	S--4--	I-----	

Language	Mathematics	Perceptual Processing					
MODERATE	MODERATE	MODERATE					
.884-018	INSTRUMENT REPAIRER	INST / APP	-3P	5	M--4--	I-----	
.884-022	INSTRUMENT-LENS CENTERER AND E	OPTICAL GOOD	-3P	5	M--4-6	I-----	
.884-034	METAL-FRAME INSERT MAN	OPTICAL GOOD	-3P	3	S--4-6	I-----	
.884-050	PRECISION-LENS GENERATOR	OPTICAL GOOD	-3P	4	M--4-6	I-----	
.781-014	CUTTER-AND-WEIGHER	OPTICAL GOOD	-3P	3	L--4--	I--45--	
.781-026	OPTICAL-ELEMENT COATER	OPTICAL GOOD	-3P	5	M--4-6	I-----	
.687-010	LENS EXAMINER	OPTICAL GOOD	-3P	3	M--4-6	I--4---	
.487-010	TOPSIDE INSPECTOR	OPTICAL GOOD	-3-	2	S--4-6	I-----	
.387-026	WET INSPECTOR OPTICAL GLASS	OPTICAL GOOD	-3-	5	M--4-6	I-----7	

712. FABRICATION AND REPAIR OF MEDICAL, AND DENTAL INSTRUMENTS AND SUPPLI

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 SUTURE POLISHER
.887-014 SUTURE WINDER HAND
.884-018 COILER
.884-038 GLAZIER

SURGICAL APP -1- 2 L--4-- I-----
SURGICAL APP -2P 1 S--4-6 I-----
DENTAL EQUIP -1P 2 L--4-6 I-----
INST / APP -1P 4 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-074 WIRE REAMER

INST / APP -2P 5 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 TOOTH INSPECTOR
.884-010 BITE-BLOCK MAKER
.884-014 CATHETER-BUILDER HELPER
.884-026 FINISHER DENTURE
.884-030 FLANGER
.884-034 GAS-MASK ASSEMBLER
.884-042 METAL FINISHER
.884-046 ORTHOPEDIC-CAST SPECIALIST
.884-058 POLISHER
.781-018 LEATHER WORKER
.687-010 GAGER
.687-022 PAD INSPECTOR

DENTAL EQUIP -2- 2 L--4-6 I-----
MEDICAL SER -3P 5 S--4-6 I-----
RUBBER GOODS -2P 3 L--4-- I-----
MEDICAL SER -2P 5 S--4-- I-----
INST / APP -2P 5 L--4-- I-----
SURGICAL APP -2P 4 M--4-- I-----
MEDICAL SER -3P 4 S--4-6 I---56-
MEDICAL SER H2P 4 M-34-- I-----
MEDICAL SER -2P 4 L--4-6 I---5-7
SURGICAL APP -3P 5 L--4-6 I-----
SURGICAL APP -2- 2 S--4-6 I-----
SURGICAL APP -1- 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-054 PLASTER MODEL FORMER

MEDICAL SER -3P 5 L--4-- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-040 MEDICAL-INSTRUMENT-CABL
.884-062 SURGICAL-FORCEPS FABRICATOR
.884-066 SURGICAL-NEEDLE GRINDER
.781-010 ARCH-SUPPORT TECHNICIAN
.781-014 DENTAL CERAMIST ASSISTANT
.687-014 GAS-MASK INSPECTOR
.687-018 INSPECTOR SURGICAL INSTRUMENTS

INST / A -3P 2 S--4-6 I-----
INST / APP -3P 3 L--4-- I-----
NEEDLE PIN -2P 3 S--4-6 I-----
SURGICAL APP -3P 5 L--4-6 I-----
MEDICAL SER -3P 5 S--4-6 I-----
SURGICAL APP -2- 4 L--4-6 I-----
INST / APP -2- 2 L--4-6 I-----

713. FABRICATION AND REPAIR OF OPHTHALMIC GOODS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 BLOCK CLEANER
.887-018 CEMENTER
.887-026 FINAL ASSEMBLER
.887-030 LENS INSERTER
.884-010 ASSEMBLER GOLD FRAME
.884-014 ASSEMBLER MOLDED FRAMES

OPTICAL GOOD -1- 1 S--4-- I-----
OPTICAL GOOD -1P 2 S--4-- I-----
OPTICAL GOOD -1P 2 S--4-- I-----
OPTICAL GOOD -1P 2 S--4-- I-----
OPTICAL GOOD -2P 2 L--4-- I-----
OPTICAL GOOD -2P 2 L--4-- I-----

Assembly and Repair of Scientific Apparatus

PHYS.D WK COND
HRP SVP 123456 1234567

713. FABRICATION AND REPAIR OF OPHTHALMIC GOODS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-046 GROOVER
.884-062 LENS-BLANK MARKER
.687-014 GLASS CHECKER

OPTICAL GOOD -2P 2 S--4-- I-----
OPTICAL GOOD -2P 2 S--4-6 I-----
OPTICAL GOOD -2- 2 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 ASSEMBLER CLIP-ON SUNGLASSES
.887-016 BLOCKER
.887-022 CLIP DIPPER
.887-034 POLISHER IMPLANT
.887-038 SALVAGER
.884-042 FRAME CARVER SPINDLE
.884-050 HEATING-FIXTURE TENDER
.884-074 POLISHER
.884-082 TRIM MOUNTER
.884-086 TRUER
.687-010 EYEGLASS-FRAME INSPECTOR
.687-018 GLASS SHADER
.687-026 LENS-BLOCK GAGER

OPTICAL GOOD -2P 2 L--4-6 I-----
OPTICAL GOOD -2P 2 S--4-6 I-----
OPTICAL GOOD -2P 2 L--4-6 I-----
OPTICAL GOOD -2P 2 S--4-- I-----
OPTICAL GOOD -2P 2 L--4-6 I-----
OPTICAL GOOD -2P 2 S--4-- I-----
OPTICAL GOOD -2P 2 L--4-- I-----
OPTICAL GOOD -2P 2 S--4-- I-----
OPTICAL GOOD -3P 2 S--4-- I-----
OPTICAL GOOD -2P 4 L--4-6 I--5--
OPTICAL GOOD -2- 2 S--4-- I-----
OPTICAL GOOD -2- 2 L--4-6 I-----
OPTICAL GOOD -2- 2 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-030 COUNTERSINK GRINDER
.781-010 LATHE OPERATOR CONTACT LENS

OPTICAL GOOD -3P 2 L--4-- I--45--
OPTICAL GOOD -3P 5 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-022 INSPECTOR CLIP-ON SUNGLASSES

OPTICAL GOOD -3P 3 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-054 LENS ASSEMBLER
.884-078 SPECTACLES TRUER

OPTICAL GOOD -3- 2 S--4-6 I-----
OPTICAL GOOD -2P 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 CONTACT-LENS POLISHER
.884-022 CONTACT-LENS-CURVE GRINDER
.884-026 CONTACT-LENS-EDGE BUFFER
.884-034 EMBOSSER AND TRIMMER
.884-038 EYEGLASS-LENS CUTTER
.884-058 LENS GENERATOR
.884-066 MOUNTER AND REPAIRER
.884-070 PLASTIC-FRAME LENS MOUNTER
.781-014 LENS BLOCKER AND CUTTER
.781-022 ZYL MOUNTER

OPTICAL GOOD -3P 3 S--4-6 I-----
OPTICAL GOOD -3P 3 S--4-6 I-----
OPTICAL GOOD -3P 2 S--4-6 I-----
OPTICAL GOOD -3P 2 L--4-- I-----
OPTICAL GOOD -3P 2 S--4-- I-----
OPTICAL GOOD -3P 4 L--4-- I--5--
OPTICAL GOOD -3P 3 S--4-6 I-----
OPTICAL GOOD -3P 3 S--4-6 I-----
OPTICAL GOOD -3P 5 L--4-6 I-----
OPTICAL GOOD -3P 5 S--4-- I-----

714. FABRICATION AND REPAIR OF PHOTOGRAPHIC EQUIPMENT AND SUPPLIES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DENTAL-X-RAY-FILM ASSEMBLER PHOTO APPARA -2P 2 L--4-- I-----
.887-014 PASTER PHOTO APPARA -1P 2 S--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 SAMPLEMAN PHOTO APPARA -2- 2 L--4-- I-----
.884-022 BENCH EXAMINER MOTION PIC -2- 3 S--4-- I-----
.884-028 SCREEN REPAIRER PHOTO AP -2P 2 L--4-6 I-----
.687-010 FILM INSPECTOR PHOTO APPARA -2- 2 L----6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-026 PHOTOMETER REPAIRER PHOTO APPARA -3P 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 ASSEMBLER PHOTO APPARA -3P 4 S--4-6 I-----
.884-014 ASSEMBLER PLASTIC PARTS PHOTO APPARA -3P 5 L--4-- I-----
.884-018 BELLWS MAKER PHOTO APPARA -3P 5 L--4-- I-----
.884-030 X-RAY-SCREEN MAKER PHOTO APPARA -3- 4 L--4-- I-----
.687-014 SENSITIZED-PAPER TESTER PHOTO APPARA -3- 4 L--4-- I-----
.684-010 CAMERA INSPECTOR PHOTO APPARA -3- 4 S--4-6 I-----

715. FABRICATION AND REPAIR OF WATCHES, CLOCKS, AND PARTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ASSEMBLER FILLING CLOCK / WATC -2P 3 L--4-- I-----
.887-014 BAND ATTACHER CLOCK / WATC -1P 2 L--4-- I-----
.887-018 BARREL-CAP SETTER CLOCK / WATC -2P 3 S--4-- I-----
.887-022 CLOCK ASSEMBLER CLOCK / WATC -2P 2 L--4-- I-----
.887-026 CRYSTAL ATTACHER CLOCK / WATC -2P 2 S--4-- I-----
.887-034 DIAL PASTER CLOCK / WATC -2P 2 L--4-- I-----
.887-038 DOGGER CLOCK / WATC -1P 1 L--4-- I-----
.887-042 DUSTPROOF ASSEMBLER CLOCK / WATC -2P 3 L--4-- I-----
.887-046 FELT ASSEMBLER CLOCK / WATC -1- 2 S--4-- I-----
.887-050 FILL LOADER CLOCK / WATC -1P 1 L--4-- I-----
.887-058 HAIRSPRING CUTTER CLOCK / WATC -2P 2 L--4-6 I-----
.887-066 JEWEL-SETTING STRINGER CLOCK / WATC -1P 2 S--4-- I-----
.887-068 JEWEL STRINGER CLOCK / WATC -1P 2 S--4-6 I-----
.887-078 MAINSPRING-BARREL-ASSEMBLY CLE CLOCK / WATC -2P 2 S--4-- I-----
.887-082 MASKER CLOCK / WATC -2P 2 S--4-- I-----
.887-086 PAINTER POINTER CLOCK / WATC -1P 2 S--4-6 I-----
.887-090 POINTER DIPPER CLOCK / WATC -1- 2 S----- I-----
.887-098 SCRATCH BRUSHER CLOCK / WATC -2P 2 L--4-- I-----
.887-102 SET-KEY DRIVER CLOCK / WATC -2P 2 L--4-- I-----
.887-114 STUDDER HAIRSPRING CLOCK / WATC -2P 3 S--4-6 I-----
.887-118 TAKE-OFF OPERATOR CLOCK / WATC -2- 2 L--4-- I-----

715. FABRICATION AND REPAIR OF WATCHES, CLOCKS AND PARTS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-126 WASHER	CLOCK / WATC -2P 2 L--4-- I-----
.887-134 WINDER	CLOCK / WATC -2P 2 S--4-- I-----
.887-138 WIRE CUTTER HAIRSPRING	CLOCK / WATC -2P 2 L--4-- I-----
.884-026 BENCH HAND	CLOCK / WATC -1P 4 S--4-6 I-----
.884-028 BEVELER	CLOCK / WATC -1P 2 S--4-6 I-----
.884-032 BRUSHER	CLOCK / WATC -1P 3 S--4-6 I-----
.884-054 COLLET DRILLER	CLOCK / WATC -2P 2 L--4-6 I-----
.884-070 CROWN ATTACHER	CLOCK / WATC -1P 2 L--4-- I-----
.884-082 CUTTER V-GROOVE	CLOCK / WATC -2P 3 L--4-- I-----
.884-134 JEWEL STACKER	CLOCK / WATC -1P 4 L--4-6 I-----
.884-138 JEWEL-HOLE CORNERER	CLOCK / WATC -2P 3 L--4-- I-----
.884-146 LACQUERER	CLOCK / WATC -1P 4 S--4-6 I-----
.884-186 PEARLER	CLOCK / WATC -1P 2 S--4-- I-----
.884-190 PIN INSERTER REGULATOR	CLOCK / WATC -2P 3 S--4-6 I-----
.884-198 PIVOTER	CLOCK / WATC -2P 3 L--4-6 I-----
.884-210 POLISHER BALANCE SCREWHEAD	CLOCK / WATC -2P 3 S--4-- I-----
.884-238 REAMER CENTER HOLE	CLOCK / WATC -1P 2 L--4-6 I-----
.884-242 ROUGH OPENER JEWEL HOLE	CLOCK / WATC -2P 2 L--4-- I-----
.884-254 SOLDERER	CLOCK / WATC -2P 2 L--4-6 I-----
.884-282 TRANSFERRER	CLOCK / WATC -2P 3 L--4-- I-----
.884-286 TUBING-MACHINE OPERATOR	CLOCK / WATC -2P 3 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-028 CANNON-PINION ADJUSTER	CLOCK / WATC -2P 2 L--4-6 I-----
.884-050 CASER	CLOCK / WATC -2P 3 L--4-- I-----
.884-058 COLLETER	CLOCK / WATC -2P 3 S--4-6 I-----
.884-074 CROWN-WHEEL ASSEMBLER	CLOCK / WATC -2P 3 S--4-6 I-----
.884-094 DIAL-SCREW ASSEMBLER	CLOCK / WATC -2P 4 S--4-6 I-----
.884-110 FINER	CLOCK / WATC -2P 4 L--4-6 I-----
.884-150 MAINSPRING WINDER	CLOCK / WATC -2P 4 L--4-- I-----
.884-154 MAINSPRING WINDER AND OILER	CLOCK / WATC -2P 2 S--4-- I-----
.884-250 SET-STAFF FITTER	CLOCK / WATC -3P 2 S--4-6 I-----
.781-050 PEARLER	CLOCK / WATC -3P 5 S--4-6 I-----
.781-078 UNDERTURNER	CLOCK / WATC -2P 5 L--4-6 I-----
.685-010 TORQUE TESTER	CLOCK / WATC -2P 2 L--4-- I-----
.585-010 TIMING-MACHINE OPERATOR	CLOCK / WATC -2- 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-050 SIFTER	CLOCK / WATC -2P 2 L--4-- I-----
-----------------	----------------------------------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030 DIAL BRUSHER	CLOCK / WATC -2P 2 L-34-- I-----
.887-054 FOOT STRAIGHTENER	CLOCK / WATC -2P 2 L--4-- I-----
.887-062 HAMMER ADJUSTER	CLOCK / WATC -2P 2 L--4-- I-----
.887-070 MAINSPRING FORMER ARBOR END	CLOCK / WATC -2P 2 S--4-- I-----
.887-074 MAINSPRING FORMER BRACE END	CLOCK / WATC -2P 2 S--4-- I-----
.887-094 POINTER MOUNTER	CLOCK / WATC -2P 2 S--4-- I-----
.887-110 SPRING LAYER	CLOCK / WATC -2P 2 L--4-- I-----

715. FABRICATION AND REPAIR OF WATCHES, CLOCKS, AND PARTS (CONT.)

.887-122 TOUCH-UP WORKER	CLOCK / WATC -2P	3	S--4-6	I-----
.887-130 WHEEL TRIMMER	CLOCK / WATC -1P	2	L--4--	I-----
.884-034 BURNISHER BALANCE WHEEL ARM	CLOCK / WATC -2P	3	L--4-6	I-----
.884-038 BURRER	CLOCK / WATC -2P	3	L--4-6	I-----
.884-078 CRYSTAL CUTTER	CLOCK / WATC -2P	3	L--4--	I-----
.884-194 PINION POLISHER	CLOCK / WATC -2P	3	L--4-6	I-----
.884-202 POINTER-MACHINE OPERATOR	CLOCK / WATC -2P	2	S--4-6	I-----
.884-214 POLISHER DIAL	CLOCK / WATC -1P	3	S--4-6	I-----
.884-218 POLISHER NUMERAL	CLOCK / WATC -2P	3	S--4-6	I-----
.884-262 STONER	CLOCK / WATC -2P	3	L--4--	I-----

Language	Mathematics	Physical Sciences
MODERATE	MODERATE	MINIMUM

.884-022 BARREL FINISHER	CLOCK / WATC -2P	3	S--4--	I-----
.884-096 DIALER	CLOCK / WATC -2P	3	S--4-6	I-----
.884-114 GRINDER	CLOCK / WATC -2P	3	L--4--	I-----
.884-126 JEWEL GRINDER	CLOCK / WATC -2P	3	L--4--	I-----
.884-178 PALLET RECTIFIER	CLOCK / WATC -2P	5	S--4-6	I-----
.884-226 PRESS OPERATOR PIERCE AND SHAV	CLOCK / WATC -2P	2	S--4--	I-----
.884-230 PROFILER HAND	CLOCK / WATC -2P	4	L--4-6	I-----
.884-270 SUIFACER	CLOCK / WATC -2P	3	L--4-6	I-----
.687-030 GAGER	CLOCK / WATC -3P	4	L--4-6	I-----
.687-046 JEWEL GAGER	CLOCK / WATC -2P	4	S--4-6	I-----
.687-054 MOTION INSPECTOR	CLOCK / WATC -2P	3	S--4-6	I-----
.587-010 DIAMOND SIZER AND SORTER	CLOCK / WATC -2P	3	S--4--	I-----
.387-026 STRIP GAGER	CLOCK / WATC -2P	4	L--4-6	I-----

Language	Mathematics	Physical Sciences
MODERATE	MINIMUM	MODERATE

.884-010 BALANCE ASSEMBLER	CLOCK / WATC -3P	3	S--4--	I-----
.884-018 BALANCE-BRIDGE ASSEMBLER	CLOCK / WATC -2P	3	L--4-6	I-----
.884-030 BLOCKER	CLOCK / WATC -3P	4	L--4-6	I-----
.884-046 CAP-JEWEL PLATE ASSEMBLER	CLOCK / WATC -2P	4	L--4-6	I-----
.884-066 COUNTERSINKER BALANCE SCREW HO	CLOCK / WATC -2P	3	L--4-6	I-----
.884-086 DEBURRER	CLOCK / WATC -2P	3	L--4-6	I-----
.884-090 DIAL REFINISHER	CLOCK / WATC -3P	5	S--4-6	I-----
.884-102 DRILLER AND BROACHER	CLOCK / WATC H2P	5	L--4-6	I-----
.884-106 END POLISHER	CLOCK / WATC -2P	4	L--4--	I-----
.884-122 HANDS ASSEMBLER	CLOCK / WATC -3P	4	L--4-6	I-----
.884-158 MECHANISM ASSEMBLER	CLOCK / WATC -3P	4	S--4-6	I-----
.884-162 OILER	CLOCK / WATC -2P	2	S--4-6	I-----
.884-174 PALLET ASSEMBLER	CLOCK / WATC -2P	4	S--4-6	I-----
.884-206 POISER BALANCE	CLOCK / WATC -2P	4	L--4-6	I-----
.884-222 POLISHER SCREWHEAD SIDES	CLOCK / WATC -2P	3	S--4-6	I-----
.884-234 PUT-IN-BEAT ADJUSTER	CLOCK / WATC -2P	4	S--4-6	I-----
.884-258 STAKER	CLOCK / WATC -2P	4	L--4-6	I-----
.781-038 HAIRSPRING ASSEMBLER	CLOCK / WATC -3P	5	L--4-6	I-----
.781-054 POLISHER	CLOCK / WATC -3P	5	S--4-6	I-----
.781-058 POLISHER GOLD WHEEL	CLOCK / WATC -3P	5	S--4-6	I-----
.687-010 BALANCE-BRIDGE INSPECTOR	CLOCK / WATC -3P	4	S--4-6	I-----
.687-022 DIAL INSPECTOR	CLOCK / WATC -3P	4	S--4-6	I-----

Assembly and Repair of Scientific Apparatus

PHYS.D WK COND
HRP SVP 123456 1234567

715. FABRICATION AND REPAIR OF WATCHES, CLOCKS, AND PARTS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-034	HAIRSPRING ADJUSTER	CLOCK / WATC -3P	4	L--4--	I-----
.687-038	INSPECTOR CASING	CLOCK / WATC -3-	4	S--4-6	I-----
.687-042	INSPECTOR SOLDERING	CLOCK / WATC -2-	3	L--4--	I-----
.687-050	JEWEL INSPECTOR	CLOCK / WATC -3P	2	S--4-6	I-----
.687-062	TRANSFER INSPECTOR	CLOCK / WATC -2P	3	S--4-6	I-----
.684-010	HAIRSPRING INSPECTOR	CLOCK / WATC -2P	3	S--4-6	I-----
.387-022	POISING INSPECTOR	CLOCK / WATC -3P	4	S---6	-----
.387-030	STRIP INSPECTOR	CLOCK / WATC -2P	4	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-274	TAPPER	CLOCK / WATC -2P	3	L--4-6	I-----
.884-278	TAPPER BALANCE-WHEEL SCREW HOL	CLOCK / WATC -2P	3	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014	BALANCE TRUER	CLOCK / WATC -2P	4	L--4-6	I-----
.884-062	COUNTERSINKER	CLOCK / WATC -2P	3	L--4-6	I-----
.884-118	HAND FILER BALANCE WHEEL	CLOCK / WATC -2P	3	S--4-6	I-----
.884-130	JEWEL INSERTER	CLOCK / WATC -2P	4	L--4-6	-----
.884-142	JEWEL-HOLE DRILLER	CLOCK / WATC -3P	5	L--4-6	I-----
.884-166	OVERCOIL STEPPER	CLOCK / WATC -2P	3	S--4-6	-----
.884-170	OVERCOILER	CLOCK / WATC -3P	4	S--4-6	I-----
.884-182	PALLET-STONE GRINDER	CLOCK / WATC -3P	4	L--4-6	-----
.884-266	STONER HAND	CLOCK / WATC -3P	3	L--4-6	I-----
.781-010	BANKING ADJUSTER	CLOCK / WATC -3P	5	S--4-6	I-----
.781-062	RAYER	CLOCK / WATC -3P	5	L--4-6	I-----
.781-066	SCREWHEAD POLISHER	CLOCK / WATC -3P	5	S--4-6	I-----
.781-070	TOOTH POLISHER	CLOCK / WATC -3P	5	L--4-6	I-----
.687-014	BALANCE-TRUING INSPECTOR	CLOCK / WATC -3P	3	S--4-6	I-----
.687-018	CASE INSPECTOR	CLOCK / WATC -2P	3	S--4-6	I-----
.687-026	FINAL INSPECTOR MOVEMENT ASSEM	CLOCK / WATC -2P	4	S--4-6	I-----
.687-058	SCREW INSPECTOR	CLOCK / WATC -3P	3	S--4-6	I-----
.684-014	WHEEL AND PINION INSPECTOR	CLOCK / WATC -3P	4	S--4-6	I-----
.387-010	HANDS INSPECTOR	CLOCK / WATC -3P	4	L--4-6	I-----
.387-014	INSPECTOR WATCH PARTS	CLOCK / WATC -3P	4	L--4-6	I-----
.387-018	MECHANISM INSPECTOR	CLOCK / WATC -3P	5	S--4-6	I-----
.384-010	HAIRSPRING-TRUING INSPECTOR	CLOCK / WATC -3-	4	S--4-6	I-----
.384-014	TRUER	CLOCK / WATC -3P	4	S--4-6	I-----

716. FABRICATION AND REPAIR OF ENGINEERING AND SCIENTIFIC INSTRUMENTS

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010	ELECTRONIC-SENSING-EQUIPMENT A	INST / APP -3P	3	L--4-6	I-----
----------	--------------------------------	----------------	---	--------	--------

719. FABRICATION AND REPAIR OF SCIENTIFIC AND MEDICAL APPARATUS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 OPTICAL-ELEMENT CLEANER OPTICAL GOOD -2P 3 L--4-6 I-----
 .887-018 POLISHER OPTICAL GOOD -1P 2 L--4-- I-----
 .884-014 PLATER INST / APP -2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 LABORER PRODUCTION INST / APP -3P 2 L--4-- I-----
 .781-010 TUBE-SHRINKING-MACHINE OPERATO INST / APP -3P 5 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 ASSEMBLER REGULATORS INST / APP -3P 2 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 SENSITIZER-AND-PRINTER INST / APP -3P 3 L--4-6 I-----

ASSEMBLY AND REPAIR OF ELECTRICAL EQUIPMENT (720.-729.)

Occupations in this area are concerned with the assembly, fabrication, and repair of electrical and electronic equipment such as radios; television sets; phonographs; electric motors and generators; telephone and telegraph equipment; aerospace components; household electrical appliances; light bulbs; electronic tubes and solid state circuits; storage batteries; computers and peripheral equipment; electrical wire and cable; and electronic components and accessories such as transistors, capacitors, and resistors.

The various occupations in this area demand all eight combinations of cognitive capabilities. About 40 percent of the occupations demand only perceptual processing with substantial numbers demanding only minimum cognitive capabilities, combined language and perceptual processing, and a combination of all three types. Perceptual processing demands derive from activities such as reading blueprints, graphics, and schematics; evaluation of test patterns; and visual inspection for defects. Language demands derive from activities such as verbal communication using many specialized and technical terms, reading product specifications, and recording production and test data. Mathematics demands derive from activities such as interpretation of instrument scales, verification of test values with specifications, conversion of data from one scale to another, and computation to determine expected performance values.

Manipulation of small parts and skilled use of hand tools is required in a large proportion of these occupations, and a demand for psychomotor skill in the operation of machinery is not uncommon. Knowledge of electrical principles is an asset, especially to occupations involving troubleshooting.

Electrical assembly operations are becoming increasingly automated and foreign competition becomes strong in most older product lines. Although the number of occupational titles in repair is relatively small, the number and distribution of jobs under each tends to be great. However, repair occupations tend to demand a combination of language, mathematics, and perceptual processing with a background in or aptitude to learn basic electricity and/or electronics.

PHYS.D WK COND
HRP SVP 123456 1234567

720. ASSEMBLY AND REPAIR OF RADIO AND TELEVISION SETS AND PHONOGRAPHS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 RECORD-CHANGER ASSEMBLER

PHONOGRAPH -1P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014 ASSEMBLY ADJUSTER

PHONOGRAPH -2P 3 L--4-- I-----

720. ASSEMBLY AND REPAIR OF RADIO AND TELEVISION SETS AND PHONOGRAPHS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 MATRIX-GROOVE ROLLER	PHONOGRAPH	-1P	2	L--4--	I-----
.884-018 CABINET MOUNTER	ELECTRONICS	-3P	2	M--4--	I-----
.884-022 PHONOGRAPH-CARTRIDGE ASSEMBLER	PHONOGRAPH	-3P	5	S--4-6	I-----
.884-026 PICTURE-TUBE INSTALLER	ELECTRONICS	-3P	3	M--4--	I-----
.687-010 INSPECTOR MARKED REELS	ELECTRONICS	-3P	3	L--4-6	I-----
.687-014 RECORD-CHANGER TESTER	PHONOGRAPH	-2-	2	L--4--	I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.387-010 GAGER HAND	ELECTRONICS	-3P	3	S--4--	I-----
---------------------	-------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-018 TELEVISION-CHASSIS INSPECTOR	ELECTRONICS	-3P	4	L--4-6	I-----
.684-010 TESTER TELEVISION PICTURE TUBE	ELECTRONICS	-3P	3	M--4-6	I-----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.387-018 RECORD TESTER	PHONOGRAPH	-3P	4	S--456	I-----
------------------------	------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 ALINER	ELECTRONICS	-3P	5	L--4--	I-----
.387-014 QUALITY-CONTROL INSPECTOR	PHONOGRAPH	-3P	4	S--456	I-----

721. ASSEMBLY AND REPAIR OF MOTORS, GENERATORS, AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CLEANER AND PREPARER	ELEC EQUIP	-2P	2	M-34--	I-----
.884-014 ASSEMBLER CARBON BRUSHES	ELEC EQUIP	-3P	4	S--4--	I-----
.884-046 SKYIN WINDER	ELEC EQUIP	-2P	3	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 MOTOR ASSEMBLER	AGRIC EQUIP	-2P	2	M--4--	I-----
.884-010 ARMATURE-WINDER HELPER REPAIR	ANY IND	-2P	3	M-34--	I-----
.884-030 ELECTRIC-MOTOR ASSEMBLER	ELEC EQUIP	-3P	3	L--4--	I-----
.684-010 VENEER MATCHER	FURN	-2P	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-026 COMMUTATOR ASSEMBLER	ELEC EQUIP	-3P	5	M--4-6	I-----
.884-042 INSULATION CUTTER AND FORMER	ELEC EQUIP	-3P	3	L-34-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.384-010 VIBROMETER-BLOCK TESTER	ELEC EQUIP	-3-	5	H-3456	I-----
----------------------------------	------------	-----	---	--------	--------

Assembly and Repair of Electrical Equipment

PHYS.D WK COND
HRP SVP 123456 1234567

722. COMMUNICATIONS EQUIPMENT ASSEMBLY AND REPAIR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 SWITCHBOX ASSEMBLER

ELEC EQUIP -1P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 WIRER, SUBASSEMBLIES

OFFICE MACH -3P 4 L--4-6 I-----

723. ASSEMBLY AND REPAIR OF ELECTRICAL APPLIANCES AND FIXTURES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 HEATING-ELEMENT WINDER

ELEC EQUIP -2P 2 S--4-6 I-----

.887-018 WIPER

LIGHT FIX -2- 2 L--4-- I-----

.887-022 WIRECUTTER

LIGHT FIX -1- 2 L--4-- I-----

.884-026 ASSEMBLER CARBIDE-LAMP

LIGHT FIX -2P 3 L--4-- I-----

.884-034 FLASHER ADJUSTER

LIGHT FIX -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 PATCHER

ELEC EQUIP -2P 2 S--4-- I-----

.884-014 ASSEMBLER

ELEC EQUIP -3P 3 L--4-6 I-----

.884-018 ASSEMBLER

LIGHT FIX -2P 3 L--4-- I-----

.884-022 ASSEMBLER

LIGHT FIX -2P 2 L--4-- I-----

.884-030 ASSEMBLER LINE

ELEC EQUIP -3P 3 M-34-- I--5-7

.687-010 CHECKER HAIR DRIERS

ELEC EQUIP -2- 2 L--4-- I-----

.687-014 TESTER AND INSPECTOR LAMPS

LIGHT FIX -2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-018 TOASTER TESTER

ELEC EQUIP -2- 3 L--4-6 I-----

.387-010 REFRIGERATOR INSPECTOR

REFRIGERAT E -3- 5 L--456 I--456-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 APPLIANCE REPAIRER

ELEC EQUIP -3P 3 M--4-6 I-----

724. WINDING AND ASSEMBLY OF COILS, MAGNETS, ARMATURES, AND RELATED

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-034 LACER AND TIER

ELEC EQUIP -1P 3 L--4-- I-----

.887-038 RESISTOR-LEAD-WIRE ASSEMBLER

ELECTRONICS -2P 2 S--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.685-010 WELD INSPECTOR

ELEC EQUIP -2P 2 L--4-- I-----

724. WINDING AND ASSEMBLY OF COILS, MAGNETS, ARMATURES, AND RELATED (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	BURNER	ELEC EQUIP	-2P	2	L--4--	I-----
.887-018	COIL FORMER AND PRESSER	ELEC EQUIP	-2P	2	L--4-6	I---5--
.887-022	COMMUTATOR-V-RING ASSEMBLER	ELEC EQUIP	-2P	2	L--4-6	I-----
.887-030	INSULATOR	ELEC EQUIP	-2P	2	L--4--	I-----
.887-042	SLOT WEDGER	ELEC EQUIP	-2P	2	S--4-6	I-----
.884-014	ARMATURE CONNECTOR	ELEC EQUIP	-2P	3	S--4-6	I-----
.884-018	ARMATURE STRAIGHTENER	ELEC EQUIP	-2P	3	L--4-6	I-----
.884-022	ARMATURE WINDER REPAIR	ANY IND	-3P	4	L--4-6	I-----
.884-026	COIL FORMER TEMPLATE	ELEC EQUIP	-2P	4	M--4--	I-----
.884-034	COIL TAPER HAND	ELEC EQUIP	-2P	4	L--4-6	I-----
.884-038	COIL TAPER MACHINE	ELEC EQUIP	-2P	5	L--4-6	I-----
.884-046	COIL WINDER AUTOMATIC	ELEC EQUIP	-2P	2	L--4-6	I---5--
.884-050	COIL WINDER OPEN SLOT	ELEC EQUIP	-2P	3	S--4-6	I-----
.884-054	COIL WINDER STRAP	ELEC EQUIP	-3P	3	M-34--	I-----
.884-058	COIL WINDER, HAND	ELECTRONICS	-3P	3	L--4--	I-----
.884-074	LAMINATOR	ELECTRONICS	-2P	3	L--4-6	I-----
.884-078	MAGNET-VALVE ASSEMBLER	ELEC EQUIP	-3P	3	S--4-6	I-----
.884-086	STATIC BALANCER	ANY IND	-2P	3	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.781-026	WIRE COILER	ELEC EQUIP	-3P	5	L--4-6	I-----
----------	-------------	------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-014	COIL FINISHER	ELEC EQUIP	-2P	2	S--4-6	I-----
.887-026	DIE CASTER	ELECTRONICS	-2P	2	L--4--	I-----
.884-066	FIELD COIL REPAIRER	ELEC EQUIP	-2P	3	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-030	COIL SHAPER	ANY IND	-3P	5	L--4-6	I-----
.884-042	COIL WINDER	ELEC EQUIP	-3P	3	S--4-6	I-----
.884-070	HEADER-AND-CHOPPER ASSEMBLER	ELECTRONICS	-3P	2	L--4--	I-----
.884-082	MOTOR-AND-GENERATOR-BRUSH MAKE	ELEC EQUIP	-2P	4	L--4-6	I-----
.884-090	TRANSFORMER ASSEMBLER SPECIALT	ELEC EQUIP	-3P	3	S--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010	ARMATURE BANDER	ANY IND	-3P	5	M--4-6	I-----
.884-062	ELEMENT WINDER	INST / APP	-3P	3	L--4-6	I-----
.884-094	UNIVERSAL-WINDING-MACHINE OPER	ELEC EQUIP E	-3P	3	L--4-6	I-----
.781-010	COIL WINDER	ELEC EQUIP	-3P	5	M--4-6	I-----
.781-014	COIL WINDER REPAIR	ANY IND	-3P	5	L--4-6	I-----
.781-022	TRANSFORMER-COIL WINDER	LIGHT HEAT	-3P	5	L--4--	I-----
.384-010	ARMATURE TESTER	ELEC EQUIP	-3-	4	L--4-6	I-----
.384-014	WINDING INSPECTOR AND TESTER	ELEC EQUIP	-3-	4	M--4-6	I-----

Assembly and Repair of Electrical Equipment

PHYS.D WK COND
HRP SVP 123456 1234567

725. ASSEMBLY OF LIGHT BULBS AND ELECTRONIC TUBES

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	BASE FILLER HAND	ELECTRONICS	-1P	2	L--4--	I-----
.887-014	BULB ASSEMBLER COLOR TELEVISIO	ELECTRONICS	-3P	2	M--4-6	I-----
.887-018	FLARE BEADER	ELECTRONICS	-2P	2	L--4-6	I-----
.887-022	FOCUSER	ELEC EQUIP	-2P	2	S--4-6	I-----
.887-026	GETTERER	ELEC EQUIP	-2P	2	S--4-6	I-----
.887-030	GRID TRIMMER	ELECTRONICS	-2P	2	L--4-6	I-----
.884-026	MOUNTER HAND	ELEC EQUIP	-3P	3	L--4--	I-----
.884-028	STM-MOUNTING-MACHINE-O	ELEC EQUIP	-3P	3	S--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-034	GUN ASSEMBLER	ELECTRONICS	-3P	2	S--4--	I-----
.887-038	TUBE FINISHER	ELECTRONICS	-3P	2	L--4--	I-----
.887-042	TUBE LAMINATOR	ELECTRONICS	-3P	2	M--4-6	I-----
.687-014	COILER	ELEC EQUIP	-2P	2	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010	AGER	ELECTRONICS	-3-	3	L--4--	I-----
.587-010	LEAK DETECTOR	ELECTRONICS	-3P	3	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-034	TUBE COMPONENT ASSEMBLER	ELECTRONICS	-3P	3	L--4--	I-----
.884-010	MASK INSERTER AND INSPECTOR	ELECTRONICS	-3P	3	L-34-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-014	BULB-PUNCH-OUT-MACHINE OPERATO	ELECTRONICS	-3P	3	S--4--	I-----
.884-022	GRID OPERATOR	ELECTRONICS	-3P	3	L--4-6	I-----
.687-010	BEAD INSPECTOR	ELEC EQUIP	-2P	2	S--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018	EXHAUST OPERATOR	ELECTRONICS	-3P	4	M-34-6	I---5--
.884-030	TUBE ASSMBLER	ELECTRONICS	-3P	4	L--4-6	I-----
.684-010	COILED-COIL INSPECTOR	ELEC EQUIP	-3P	3	S--4-6	I-----
.684-014	QUALITY INSPECTOR	ELECTRONICS	-3-	4	L--4-6	I-----
.487-010	QUALITY-CONTROL INSPECTOR	ELEC EQUIP	-3P	3	L--4-6	I-----
.484-010	GRID INSPECTOR	ELECTRONICS	-3-	3	L--4-6	I-----
.484-014	TUBE TESTER	ELECTRONICS	-3-	2	S--4-6	I-----

726. ASSEMBLY AND REPAIR OF ELECTRONIC COMPONENTS AND ACCESSORIES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CAPACITOR ASSEMBLER VARIABLE	ELECTRONICS	-2P	1	S--4--	I-----
.887-022	ENCAPSULATOR	ELEC EQUIP E	-2-	2	L--4--	I-----

726. ASSEMBLY AND REPAIR OF ELECTRONIC COMPONENTS
AND ACCESSORIES, N.E.C. (CONT.)

.887-034 PLUG-WIRING-MACHINE OPERATOR	ELEC EQUIP	-2P	3	L--4-6	I---5--
.887-038 RECTIFIER PLATE CHARGER	ELECTRONICS	-2P	2	L--4--	I-----
.887-046 TRIMMER	ELECTRONICS	-2P	2	S--4-6	I-----
.884-022 CAPACITOR ASSEMBLER	ELECTRONICS	-3P	2	S--4-6	I-----
.884-030 CAPACITOR WINDER	ELECTRONICS	-3P	3	L--4--	I-----
.884-050 CRYSTAL LAPPER	ELECTRONICS	-3P	3	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-014 AUDIMETER INSTALLER AND SERVIC	BUS SER	H2P	4	L--4--	I-----
---	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-042 CRYSTAL FINISHER	ELECTRONICS	-3P	3	S--4--	I-----
.884-074 ELECTROLYTIC CAPACITOR CHARGER	ELECTRONICS	-2P	3	L--4-6	I-----
.884-090 POTENTIOMETER ASSEMBLER	ELECTRONICS	-3P	3	S--4-6	I-----
.884-110 VACUUM-EVAPORATION OPERATOR	ELECTRONICS	-3P	3	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CLEANER	ELECTRONICS	-2-	1	S--4-6	I-----
.887-026 METAL-BASE RECLAIMER	ELECTRONICS	-2P	1	L--4--	I-----
.887-030 MOUNTER	ELECTRONICS	-3P	2	S--4-6	I-----
.887-042 SILK-SCREEN PRINTER	ELECTRONICS	-2P	2	L--4--	I-----
.884-010 ANTENNA ASSEMBLER	ELECTRONICS	-2P	2	S--4--	I-----
.884-018 CABLE MAKER	ELEC EQUIP E	-2P	3	L--4-6	I-----
.884-038 CONDENSER ALINER	ELECTRONICS	-2P	2	S--4-6	I-----
.884-054 CRYSTAL-UNIT ASSEMBLER	ELECTRONICS	-3P	2	S--4-6	I-----
.884-062 ELECTRONIC-SCALE SUBASSEMBLER	BAL / SCALES	-2P	3	S--4-6	I-----
.884-070 FILTER ASSEMBLER	ELECTRONICS	-2P	3	S--4-6	I-----
.884-078 GRID ASSEMBLER	ELECTRONICS	-2P	2	S--4-6	I---5--
.884-082 MODULE ASSEMBLER	ELECTRONICS	-3P	3	S--4-6	I-----
.884-086 PHOTORESIST PRINTER	ELECTRONICS	-3P	3	S--4--	I-----
.884-094 PRINTED-CIRCUIT ASSEMBLER	ELECTRONICS	-2P	2	S--4-6	I-----
.884-102 SPEAKER ASSEMBLER	ELECTRONICS	-3P	4	S--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-058 DIFFUSION-FURNACE OPERATOR	ELECTRONICS	-3P	4	L--4--	I-----
.884-010 CALIBRATOR RESISTORS	ELECTRONICS	-3P	3	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-018 CONVEYOR-LINE WORKER TELEVISIO	ELECTRONICS	-3P	2	M--4--	I-3-5--
.884-034 CAPACITOR-PACK-PRESS OPERATOR	ELEC EQUIP	-3P	4	M-34--	I-----
.884-106 TRANSFORMER ASSEMBLER	ELECTRONICS	-3P	3	S--4-6	I-----
.687-010 INSPECTOR COMPONENTS	ELECTRONICS	-3-	2	S--4-6	I-----

Assembly and Repair of Electrical Equipment

PHYS.D WK COND
HRP SVP 123456 1234567

726. ASSEMBLY AND REPAIR OF ELECTRONIC COMPONENTS AND ACCESSORIES, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-026 CAPACITOR ASSEMBLER VARIABLE ELECTRONICS -3P 2 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-046 CRYSTAL GROWER ELECTRONICS -3P 4 L--4-6 I-----
.884-098 SEMICONDUCTOR ASSEMBLER ELECTRONICS -3P 2 S--4-6 I-----
.781-010 ELECTRONICS ASSEMBLER ELECTRONICS -3P 5 L--4-6 I-----
.687-014 TESTER ELECTRONIC COMPONENTS ELECTRONICS -3- 2 S--4-- I-----
.384-014 INSPECTOR FINISHING ELECTRONICS -3P 4 L--4-6 I---67
.384-018 INSPECTOR PRINTED CIRCUIT BOAR ELECTRONICS -3- 4 S--4-6 I-----
.384-022 INSPECTOR SUBASSEMBLIES ELECTRONICS -3- 4 S--4-6 I-----

727. STORAGE BATTERY ASSEMBLY

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ACID DUMPER ELEC EQUIP -2P 2 M-34-6 I-----
.887-014 ACID FILLER ELEC EQUIP -2P 2 L--4-6 I-----
.887-030 BATTERY STACKER ELEC EQUIP -2- 2 M-34-6 I-----
.887-034 BATTERY-CONTAINER-FINISHING HA ELEC EQUIP -2P 2 L--4-- I-----
.884-010 ACID ADJUSTER ELEC EQUIP -2P 2 L--4-- I-----
.884-030 ELEMENT BURNER ELEC EQUIP -1P 3 L--4-6 I---567
.884-034 INTERCELL-CONNECTOR BURNER ELEC EQUIP -1P 3 L--4-6 I---567
.687-014 ELECTRIC-CONTAINER TESTER ELEC EQUIP -2- 2 M-34-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022 BATTERY CHARGER ELEC EQUIP -3- 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 ASSEMBLER DRY CELL AND BATTERY ELEC EQUIP -2P 2 L--4-6 I---5--
.887-038 BATTERY-PARTS ASSEMBLER ELEC EQUIP -2P 3 L-34-- I-----
.887-042 BATTERY CONTAINER CLEANER ELEC EQUIP -2P 2 L-34-6 I--4-67
.887-046 CELL-COVER PLACER ELEC EQUIP -2P 2 L--4-6 I-----
.887-050 CELL-TUBER HAND ELEC EQUIP -2P 2 L--4-6 I-----
.887-054 FORMING-PROCESS-LINE WORKER ELEC EQUIP -3P 3 M-34-- I-----
.887-058 LEAD-BURNER HELPER ELEC EQUIP -2P 2 M--4-6 I-----
.887-062 LEAD-CASTER HELPER ELEC EQUIP -2P 2 L--4-6 I---5--
.887-066 BATTERY PLATE REMOVER ELEC EQUIP -1P 2 M--4-6 I---5--
.884-014 BATTERY ASSEMBLER ELEC EQUIP -2P 4 L--4-6 I-----
.884-022 BATTERY-ASSEMBLER MOTORCYCLE ELEC EQUIP -3P 3 L--4-6 I-----
.884-026 CELL REPAIRER ELEC EQUIP -3P 2 S--4-6 I-----
.884-038 LEAD BURNER ELEC EQUIP -3P 3 L--4-6 I---567
.884-042 PLATE ASSEMBLER SMALL BATTERY ELEC EQUIP -3P 3 L--4-- I-----
.884-046 SEALER ELEC EQUIP -3P 3 L-34-- I-----

727. STORAGE BATTERY ASSEMBLY (CONT.)

.687-010 ALUMINUM-CONTAINER TESTER	ELEC EQUIP	-3-	2	L--4-6	I-----
.687-018 FINAL INSPECTOR	ELEC EQUIP	-2-	2	L--4-6	I-----
.687-022 INSPECTOR	ELEC EQUIP	-2-	2	L--4-6	I-----
.687-026 INSPECTOR CONTAINER FINISHING	ELEC EQUIP	-2-	2	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.781-010 BATTERY RECHARGER	ELEC EQUIP	-3-	3	L--4-6	I-----
.384-010 BATTERY TESTER	ELEC EQUIP	-3-	3	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-026 BATTERY CHARGER CONVEYOR LINE	ELEC EQUIP	-3P	2	M--4--	I-----
.884-018 BATTERY ASSEMBLER PLASTIC	ELEC EQUIP	-3P	2	L--4-6	I---67
.687-034 SPARK TESTER	ELEC EQUIP	-2-	2	L--4-6	I-----
.585-010 PLATE-SLITTER AND INSPECTOR	ELEC EQUIP	-3P	2	L-34-6	I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-070 WAFER-LINE WORKER	ELEC EQUIP	-3P	2	S--4-6	I-----
----------------------------	------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-030 MOLDED-PARTS INSPECTOR	ELEC EQUIP	-3-	3	L--4-6	I-----
---------------------------------	------------	-----	---	--------	--------

728. FABRICATION OF ELECTRICAL WIRE AND CABLE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 WIREWORKER	ELECTRONICS	-2P	2	S--4-6	I-----
.884-014 ELECTRICAL-LINE SPLICER	PETROL PRODU	-3P	5	M--4-6	I-----
.884-018 SPARK TESTER	ELEC EQUIP 1	-2P	4	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 ASSEMBLER ELECTRICAL WIRE GROU	AIRCRAFT MFG	-3P	3	L--4-6	I-----
---	--------------	-----	---	--------	--------

729. ASSEMBLY AND REPAIR OF ELECTRICAL EQUIPMENT, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018 ELECTRODE CLEANER	ELEC EQUIP	-1-	1	L--4--	I-----7
.887-026 PLATE STACKER HAND	ELEC EQUIP	-1-	2	L-34-6	I---5--
.684-010 BATTERY-CHARGER TESTER HIGH RA	ELEC EQUIP	-2-	3	L--4--	I-----
.387-026 INSULATOR TESTER	LIGHT HEAT	-2-	4	M2-4-6	O----6-

Assembly and Repair of Electrical Equipment

PHYS.D WK COND
HRP SVP 123456 1234567

729. ASSEMBLY AND REPAIR OF ELECTRICAL EQUIPMENT, N.E.C. (CONT.)

Language	Mathematics	Physical Processing
MINIMUM	MODERATE	MINIMUM

.887-014 MICA-WASHER GLUER MINERALS / E -2- 2 L--4-- I----67

Language	Mathematics	Physical Processing
MINIMUM	MINIMUM	MODERATE

.887-022 LAMINATION SPINNER	ELEC EQUIP	-2P	2	M-34--	I-----
.887-030 SALVAGER	LIGHT HEAT	-2P	3	M--4--	B-----
.884-010 ASSEMBLER ELECTRICAL ACCESSORI	ELEC EQUIP	-2P	2	L--4-6	I-----
.884-030 ELECTRIC-SIGN ASSEMBLER	SIGNS	-3P	3	L--4-6	I-----
.884-038 ELECTRICIAN HELPER AUTOMOTIVE	AUTO SER	-3P	2	M-34--	I-----
.884-046 LAMINATION STACKER	ELEC EQUIP	-3P	3	L--4-6	I-----
.884-058 SALVAGE REPAIRER II	LIGHT HEAT	-3P	5	M-34--	B-----
.884-062 SPARK-PLUG ASSEMBLER	ELEC EQUIP	-2P	2	L--4--	I-----
.884-066 TEST-DEPARTMENT HELPER	ELEC EQUIP	-2P	3	H-34-6	I-----
.684-014 TESTER ELECTRICAL CONTINUITY	ELEC EQUIP	-2-	3	L--456	I-----

Language	Mathematics	Physical Processing
MODERATE	MINIMUM	MODERATE

.887-010 ASSEMBLER ELECTRICAL ACCESSORI	ELEC EQUIP	-3P	2	S--4--	I-----
.884-014 CAPACITOR ASSEMBLER	ELEC EQUIP	-3P	4	M-34-6	I-----
.884-018 CAPACITOR REPAIRER	ELEC EQUIP	-2P	4	M-34-6	I-----

Language	Mathematics	Physical Processing
MINIMUM	MODERATE	MODERATE

.884-026 DIAL MARKER ELEC EQUIP -2P 2 S--4-6 I-----

Language	Mathematics	Physical Processing
MODERATE	MODERATE	MODERATE

.884-022 CHASSIS ASSEMBLER	ELECTRONICS	-3P	3	L--4-6	I-----
.884-034 ELECTRICAL-CONTROL ASSEMBLER	ELEC EQUIP	-3P	5	L--4-6	I-----
.884-050 MOLD OPERATOR	ELEC EQUIP	-3P	5	H-34--	I-----
.884-054 REPAIRER, SWITCHGEAR	ELEC EQUIP	-3P	5	M--4-6	I-----
.387-010 DE-ICER INSPECTOR ELECTRIC	RUBBER GOODS	-3-	4	L--4-6	I-----
.387-014 DE-ICER TESTER	RUBBER GOODS	-3-	4	L--4--	I--4-6-
.387-018 FINISHING INSPECTOR	ELEC EQUIP	-3-	5	L--4-6	I---5--

ASSEMBLY AND REPAIR OF ASSORTED PRODUCTS (730.-739.)

Occupations in this area are concerned with shaping, fitting, trimming, assembling, joining, finishing, and repairing products made from combinations of materials such as metal, wood, plastic, rubber, fabric, and paper. Varied products include musical instruments, games and toys, pens and pencils, artists' supplies and materials, jewelry, ordnance and supplies, explosives, notions such as buttons and zippers, smoking pipes, and a multitude of other miscellaneous items.

Some of the 404 occupational titles listed in this handbook for this area demand each of the eight combinations of cognitive capabilities. Nearly 45 percent of them make minimum cognitive demands and another 25 percent demand only perceptual processing. Substantial numbers demand a combination of language and perceptual processing or a combination of all three types. Perceptual processing demands derive from activities in inspecting and verifying the performance characteristics of products. Language demands usually derive from activities such as verbal communications and recording production information and less commonly derive from reading written work instructions or product specifications. Mathematical demands derive largely from the weighing or measuring of materials or products.

Dexterous use of the hands to manipulate parts, using hand tools rapidly and with precision, and the use of power tools are all commonly required.

Entry opportunities are widespread but product demand may be volatile and career progression opportunities are limited.

PHYS.3 WK COND
HRP SVP 123456 1234567

730. FABRICATION AND REPAIR OF MUSICAL INSTRUMENTS AND PARTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 HEAD TUCKER

MUSICAL INST -2P 3 L--4-- I-----

.884-066 RIM BENDER

MUSICAL INST -2P 2 H--4-- I-34-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-016 BELL-NECK HAMMERER

MUSICAL INST -2P 2 M--4-- I---5--

.884-026 KEY REPAIRER

MUSICAL INST -2P 3 L--4-- I-----

.884-034 KNOBBER

MUSICAL INST -2P 3 L--4-6 I-----

.884-050 MUSICAL-STRING MAKER

MUSICAL INST -3P 4 L--4-- I-----

.884-058 PREASSEMBLER AND INSPECTOR

MUSICAL INST -2P 4 L--4-- I-----

.884-070 SANDER-AND-BUFFER

MUSICAL INST -1P 3 S--4-- I-----7

.884-074 SEAM HAMMERER

MUSICAL INST -2P 3 L--4-- I---5--

.884-082 SLIDING-JOINT MAKER

MUSICAL INST -3P 3 S--4-- I---5--

.884-086 SOCKET PULLER

MUSICAL INST -3P 4 M--4-- I-----

.884-102 TONE REGULATOR

MUSICAL INST -2P 4 L--45- I-----

Assembly and Repair of Assorted Products

PHYS.D WK COND
HRP SVP 123456 1234567

730. FABRICATION AND REPAIR OF MUSICAL INSTRUMENTS AND PARTS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-010 CUTTER WOODWIND REEDS	MUSICAL INST -2P	2	S--4--	I---5-7
.884-010 ACTION FINISHER	MUSICAL INST -2P	3	L--4-6	I-----
.884-078 SHEET-METAL-PATTERN CUTTER	MUSICAL INST -2P	3	L--4-6	I-----
.684-014 CHIP TUNER	MUSICAL INST -3P	4	M--45-	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 ASSEMBLER PIANO	MUSICAL INST -3P	4	L--4-6	I-----
.884-022 CONSOLE ASSEMBLER	MUSICAL INST -3P	4	L--45-	I-----
.884-024 FINAL ASSEMBLER BRASS W	MUSICAL INST -3P	4	S--4-6	I-----
.884-030 KEYBOARD-ACTION ASSEMBLER	MUSICAL INST -3P	4	L--4--	I-----
.884-038 MANUAL WINDER	MUSICAL INST -3P	3	L--4--	I-----
.884-054 PIANO STRINGER	MUSICAL INST -2P	4	M--4--	I-----
.884-090 STOPBOARD ASSEMBLER	MUSICAL INST -3P	4	L--4--	I-----
.884-094 STRINGED-INSTRUMENT ASSEMBLER	MUSICAL INST -3P	4	L--4-6	I-----
.884-098 TONE CABINET ASSEMBLER	MUSICAL INST -3P	3	M-34--	I-----
.781-010 BELLY BUILDER	MUSICAL INST -3P	5	H--4-6	I-----
.781-018 PIANO-ACTION REGULATOR	MUSICAL INST -3P	5	L--4-6	I-----
.781-022 PISTON MAKER	MUSICAL INST -3P	5	L--4--	I---5--
.684-010 ACTION INSPECTOR	MUSICAL INST -3P	4	L--4-6	I-----
.684-018 FRETTE-INSTRUMENT INSPECTOR	MUSICAL INST -3P	4	S--45-	I---5--
.684-022 INSPECTOR WOODWIND INSTRUMENTS	MUSICAL INST -3P	4	S--4-6	I-----
.387-010 FINAL INSPECTOR	MUSICAL INST -3P	5	L--456	I-----

731. FABRICATION AND REPAIR OF GAMES AND TOYS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ASSEMBLER	COIN MACH	-2P	2	L--4--	I-----
.887-014 ASSEMBLER LIQUID CENTER	SPORTS EQUIP	-3P	2	M--4--	I--4---
.887-018 ASSEMBLER TOY VOICES	TOYS / GAMES	-2P	2	L--4-6	I-----
.887-030 DOLL-EYE-SETTER	TOYS / GAMES	-2P	2	L--4--	I-----
.887-042 HACKLER DOLL WIGS	HAIRWORK	-1-	2	L--4--	I-----
.887-050 HOLE FILLER PLASTIC DOLLS	TOYS / GAMES	-2P	3	H--4--	I---5--
.887-062 REAMER	TOYS / GAMES	-2P	2	L--4--	I-----
.887-078 WHEEL ASSEMBLER BABY CARRIAGE	TOYS / GAMES	-2P	2	L--4-6	I-----
.887-082 WIRE CUTTER	COIN MACH	-1-	2	L--4--	I-----
.884-030 ROOTER OPERATOR	HAIRWORK	-2P	3	S--4-6	I-----
.884-034 STUFFED-TOY JOINER	TOYS / GAMES	-1P	3	L--4--	I-----
.884-042 TOY ASSEMBLER METAL	TOYS / GAMES	-2P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022 BRUSHER	TOYS / GAMES	-2-	1	S--4--	I-----
.887-066 STUFFER	TOYS / GAMES	-2P	2	S--4--	I-----7
.887-074 TURNER DOLL WIGS	HAIRWORK	-2P	2	L--4--	I-----

731. FABRICATION AND REPAIR OF GAMES AND TOYS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-026 DOLL GRINDER	TOYS / GAMES	-2P	2	L--4--	I-----
.887-034 FINISHER	HAIRWORK	-2P	2	S--4--	I-----
.887-046 MARKER	TOYS / GAMES	-2-	2	L-34--	I-----
.887-054 MOLD STRIPPER PLASTIC DOLLS	TOYS / GAMES	-2P	3	M--4--	I---5--
.887-058 PUZZLE ASSEMBLER	TOYS / GAMES	-2-	2	L--4-6	I-----
.887-070 TOY ASSEMBLER PLASTIC	TOYS / GAMES	-2P	2	L--4-6	I-----
.884-010 COIN-MACHINE ASSEMBLER	COIN MACH	-2P	3	L--4--	I-----
.884-014 DECORATOR HAND	TOYS / GAMES	-3P	4	S--4-6	I-----
.884-018 DOLL REPAIRER	RET TR	-2P	5	L--4-6	I-----
.884-022 DOLL REPAIRER	ANY IND	-2P	3	L--4-6	I-----
.884-026 PUPPETEER	TOYS / GAMES	-2P	3	L--4-6	I-----
.884-046 TOY ASSEMBLER WOOD	TOYS / GAMES	-2P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-038 FINISHER HAND	TOYS / GAMES	-2P	2	L--4--	I-----
.884-038 TOY ASSEMBLER	RET TR	-2P	3	L-34--	I-----
.884-050 TOY-ELECTRIC TRAIN REPAIRER	RET TR	-2P	3	L--4--	I-----
.687-110 INSPECTOR METAL TOYS	TOYS / GAMES	-3P	3	L--4-6	I-----

732. FABRICATION AND REPAIR OF SPORTING GOODS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 BASE FILLER	SPORTS EQUIP	-2P	1	L--4--	I-----
.887-018 BASING-MACHINE OPERATOR	SPORTS EQUIP	-2P	2	L--4--	I-----
.887-022 CASTING-PLUG ASSEMBLER	SPORTS EQUIP	-1P	2	L--4--	I-----
.887-026 CEMENTER	SPORTS EQUIP	-1-	2	L--4--	I-----
.887-030 CUSHION JOINER	SPORTS EQUIP	-2P	2	L--4--	I-----
.887-046 GOLF-CLUB WEIGHTER	SPORTS EQUIP	-2P	2	L--4--	I---6-
.887-054 HAY SORTER	SPORTS EQUIP	-1-	1	M--4--	I-----
.887-062 LACER	SPORTS EQUIP	-1P	3	L--4--	I-----
.887-070 LINING INSERTER	SPORTS EQUIP	-2P	2	M--4--	I-----
.887-072 MACHINE SNELLER	SPORTS EQUIP	-2P	2	L--4--	I---6-
.887-074 MOLD CLEANER	SPORTS EQUIP	-2P	1	M-34--	I-3-567
.887-078 MOLD STRIPPER	SPORTS EQUIP	-2P	2	M-34--	I-----
.887-082 MOLDER INFLATED BALL	SPORTS EQUIP	-2P	2	M--4--	I-----
.887-086 MOLDER WAX BALL	SPORTS EQUIP	-2P	2	M--4--	I-3----
.887-090 NOCK APPLIER	SPORTS EQUIP	-1P	2	S--4--	I-----
.887-098 POINTER	SPORTS EQUIP	-2P	2	S--4--	I-----
.887-102 REVERSER	SPORTS EQUIP	-1-	2	M--4--	I-----
.887-106 RUBBER ATTACHER	SPORTS EQUIP	-1-	2	L--4--	I-----
.887-110 SNELLER, HAND	SPORTS EQUIP	-1P	2	L--4--	I-----
.887-118 STUFFING-MACHINE OPERATOR	SPORTS EQUIP	-2P	2	L--4--	I-----
.887-126 TENNIS-RACKET WINDER	SPORTS EQUIP	-1P	2	L--4--	I-----
.887-130 TRIMMING-MACHINE OPERATOR	SPORTS EQUIP	-1P	3	L--4--	I-----
.887-134 WAX-BALL KNOCK-OUT WORKER	SPORTS EQUIP	-1-	2	M--4--	I-----

Assembly and Repair of Assorted Products

PHYS.D WK COND
HRP SVP 123456 1234567

732. FABRICATION AND REPAIR OF SPORTING GOODS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014	BASE-FILLER OPERATOR	SPORTS EQUIP -2P	2	L--4--	I-----
.884-018	BASEBALL SEWER HAND	SPORTS EQUIP -2P	3	L--4-6	I-----
.884-022	BILLIARD-TABLE REPAIRER	RET TR SPORT -2P	3	L--4-6	I-----
.884-038	BOW-STRING MAKER	SPORTS EQUIP -2P	3	L--4--	I-----
.884-050	FEATHER STITCHER	SPORTS EQUIP -1P	3	L--4-6	I-----
.884-058	FISH-STRINGER ASSEMBLER	SPORTS EQUIP -2P	2	L--4--	I-----
.884-070	FIXING-MACHINE OPERATOR	SPORTS EQUIP -2P	3	M--4--	I-----
.884-086	GRIP WRAPPER	SPORTS EQUIP -2P	4	M--4--	I-----
.884-106	ROLLER-SKATE ASSEMBLER	SPORTS EQUIP -2P	2	L--4--	I-----
.884-118	SPIN-TABLE OPERATOR	FABRIC PLAST -2P	3	M--4--	I-----
.884-130	TARGET TRIMMER	SPORTS EQUIP -2P	3	M--4--	I-----
.587-018	GOLF-CLUB WEIGHER	SPORTS EQUIP -2-	2	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-038	FLETCHER	SPORTS EQUIP -2P	3	S--4--	I-----
.884-042	BOWLING-BALL ENGRAVER	SPORTS EQUIP -2P	5	L--4-6	I-----
.884-062	FISHING-LURE ASSEMBLER	SPORTS EQUIP -3P	3	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-114	SOFTBALL CORE MOLDER	SPORTS EQUIP -2P	2	M--4--	I-3----
.884-138	WEIGHER	SPORTS EQUIP -2P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	BALL POLISHER	FABRIC PLAST -2P	3	M--4--	I-----
.887-034	FEATHER SAWYER	SPORTS EQUIP -2P	2	L--4-6	I-----6-
.887-050	HAND FINISHER BOWLING BALLS	SPORTS EQUIP -2P	2	L-34--	I--4---
.887-058	LABORER	SPORTS EQUIP -2P	2	L--4--	I-----
.887-066	LEADER TIER	SPORTS EQUIP -2P	2	L--4--	I-----
.887-094	PAINTER CORK	SPORTS EQUIP -2P	2	L--4--	I-----
.887-122	TENNIS-BALL-COVER CEMENTER	SPORTS EQUIP -2P	2	L--4--	I-----
.884-010	BALL ASSEMBLER	SPORTS EQUIP -3P	3	L--4-6	I-----
.884-026	BOW REPAIRER, PRODUCTION	SPORTS EQUIP -3P	4	M--4-6	I-----7
.884-034	BOW-LIME ALINER	SPORTS EQUIP -3P	3	M--4-6	I-----
.884-046	CELLULOID TRIMMER	SPORTS EQUIP -2P	2	L--4--	I-----
.884-066	FISHING-REEL ASSEMBLER	SPORTS EQUIP -3P	2	S--4--	I-----
.884-070	FISHING-ROD ASSEMBLER	SPORTS EQUIP -3P	2	L--4--	I-----
.884-082	FLY TIER	SPORTS EQUIP -2P	4	S--4-6	I-----
.884-094	GUIDE-BASE WINDER MACHINE	SPORTS EQUIP -3P	2	L--4-6	I-----
.884-102	RACKET STRINGER	SPORTS EQUIP -2P	5	L--4--	I-----
.884-110	ROLLER-SKATE REPAIRER	ANY IND -2P	4	L--4--	I-----
.884-114	SHAPER BASEBALL GLOVE	SPORTS EQUIP -2P	2	M--4--	I-----
.884-122	SPORTS-EQUIPMENT REPAIRER	ANY IND -3P	4	L--4-6	I-----
.884-126	SURFBOARD MAKER	SPORTS EQUIP -2P	3	M--4--	I-----
.884-134	TENNIS-BALL COVERER HAND	SPORTS EQUIP -2P	3	L--4-6	I-----
.387-010	BASEBALL INSPECTOR AND REPAIRE	SPORTS EQUIP -3P	3	L--4-6	I-----

732. FABRICATION AND REPAIR OF SPORTING GOODS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-042 GOLF-BALL TRIMMER SPORTS EQUIP -2P 2 S--4-6 I-----
.587-014 BOWLING-BALL WEIGHER AND PACKE SPORTS EQUIP -3- 4 L--4-6 I-----
.384-014 INSPECTOR AND ADJUSTER GOLF CL SPORTS EQUIP -3P 4 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-054 FINISHER SPORTS EQUIP -2P 5 L--4-6 I-----7
.884-074 FISHING-ROD MARKER SPORTS EQUIP -2- 2 L--4-6 I-----
.884-090 GUIDE WINDER SPORTS EQUIP -2F 3 S--4-6 I-----
.884-098 PELOTA MAKER SPORTS EQUIP -2P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-030 BOW TILLER AND BUFFER SPORTS EQUIP -2P 4 M--4-6 I-----7
.587-010 BOW WEIGHER SPORTS EQUIP -3F 4 H--4-6 I-----7
.587-022 INSPECTOR GOLF BALL SPORTS EQUIP -2- 2 M--4-6 I-----
.384-010 INSPECTOR SPORTS EQUIP -3P 3 L--4-6 I-----

733. FABRICATION AND REPAIR OF OFFICE AND ARTISTS' MATERIALS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-022 BANDER PEN / PENCIL -1P 1 S--4-6 I-----
.887-026 CHALK-CUTTING-MACHINE OPERATOR PEN / PENCIL -2P 2 M--4-6 I-----
.887-030 CLAMPER PEN / PENCIL -2P 2 M--4-6 I---5--
.887-034 DATER ASSEMBLER PEN / PENCIL -2P 2 L--4-6 I-----
.887-038 DESK-PEN-SET ASSEMBLER PEN / PENCIL -2P 2 L--4-6 I-----
.887-042 DIPPER PEN / PENCIL -2- 1 M--4-6 I-----
.887-046 GROOVING-MACHINE OPERATOR PEN / PENCIL -2P 2 L--4-6 I-----
.887-054 STAMP-PAD FINISHER PEN / PENCIL -1- 1 L--4-6 I-----
.887-058 TIP BANDER PEN / PENCIL -2P 2 L--4-6 I---5--
.884-034 STAMP-PAD MAKER PEN / PENCIL -2P 2 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014 PAINT-BRUSH MAKER BRUSH -2P 4 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 ASSEMBLER PEN / PENCIL -2P 2 S--4-6 I-----
.887-014 ASSEMBLER MARKING DEVICES PEN / PENCIL -2P 2 L--4-6 I-----
.887-018 ASSEMBLER MECHANICAL PENCILS A PEN / PENCIL -2P 2 L--4-6 I---5--
.887-062 TIPPING-MACHINE OPERATOR PEN / PENCIL -2- 2 L--4-6 I---5--
.884-018 PEN-AND-PENCIL REPAIRER ANY IND -2P 4 S--4-6 I-----
.884-026 SMOOTHER PEN / PENCIL -2P 2 S--4-6 I-----
.687-026 PENCIL INSPECTOR PEN / PENCIL -2- 2 L--4-6 I-----
.687-030 STENCIL INSPECTOR PEN / PENCIL -2- 2 L--4-6 I-----
.587-010 INSPECTOR RUBBER-STAMP DIE PEN / PENCIL -2- 5 L--4-6 I-----

Assembly and Repair of Assorted Products

PHYS.D WK COND
HRP SVP 123456 1234567

733. FABRICATION AND REPAIR OF OFFICE AND ARTISTS' MATERIALS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-050 RIBBON WINDER	PEN / PENCIL -2P	3	S--4-6	I-----
.884-022 REPAIRER PENS AND PENCILS	PEN / PENCIL -2P	2	L--4-6	I-----
.884-030 STAMP MOUNTER	PEN / PENCIL -3P	3	L--4-6	I-----
.687-018 INSPECTOR FINAL ASSEMBLY	PEN / PENCIL -2-	3	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 ASSEMBLER	OFFICE MACH -3P	3	M--4-6	I---5--
.687-010 INSPECTOR	PEN / PENCIL -2P	2	S--4-6	I-----
.687-014 INSPECTOR BALL POINTS	NONFER METAL -2P	3	L--4--	I-----
.687-022 NIB INSPECTOR	PEN / PENCIL -2-	3	L--4-6	I-----

734. FABRICATION OF NOTIONS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ACETONE-BUTTON PASTER	BUTTON	-1-	2	S--4--	I-----
.887-014 ASSEMBLER	BUTTON	-1-	2	S--4--	I-----
.887-022 BOBBIN DISKER	GLASS MFG	-1-	2	L--4--	I-----
.887-026 BUCKLE-WIRE INSERTER	BUTTON	-1-	1	S--4--	I-----
.887-030 BUTTON WEAVER HAND	BUTTON	-2P	2	S--4-6	I-----
.887-034 BUTTON-AND-BUCKLE MAKER	ANY IND	-2P	3	L--4--	I-----
.887-038 BUTTON-BLANK-PRESS OPERATOR	BUTTON	-1-	2	S--4--	I-----
.887-042 COVERED-BUCKLE ASSEMBLER	BUTTON	-2P	3	S--4-6	I-----
.887-046 GRINDER HAND	BUTTON	-1-	2	L--4-6	I-----
.887-050 HOT-STONE SETTER	BUTTON	-1-	2	S--4--	I-----
.887-054 INSIDE-FIBER TIPPER	NARROW FABRI	-2P	2	S--4-6	I-----
.887-058 PASTER	BUTTON	-1-	1	S--4--	I-----
.887-074 SLIDER ASSEMBLER	GARMENT NEED	-2P	2	L--4--	I-----
.887-078 SPLITTER HAND	BUTTON	-1P	2	S--4-6	I-----
.884-010 ASSEMBLER	TEX PROD N E	-2P	2	L--4--	I-----
.884-022 FEATHER-DUSTER WINDER	HOUSE FURN	-2P	3	L--4--	I-----
.884-028 SEWER CLOTH-COVERED BUT	BUTTON	-1-	2	S--4--	I-----
.884-030 STAMPER	BUTTON	-1-	2	M--4--	I-----
.884-034 STICKER	ARTIF FLOWER	-1-	2	S--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 BENCH WORKER	NEEDLE PIN	-2-	2	L--4--	I-----
.887-062 QUILL-BUNCHER-AND SORTER	HOUSE FURN	-2-	3	S--4-6	I-----
.887-066 SLIDE-FASTENER REPAIRER	NEEDLE PIN	-3P	2	L--4-6	I-----
.887-070 SLIDE-FASTENER-CHAIN ASSEMBLER	NEEDLE PIN	-2-	2	S--4-6	I-----
.884-014 BUTTON-CUTTING-MACHINE OPERATO	BUTTON	-2P	4	L--4-6	I---5-7
.884-018 FEATHER SHAPER	ARTIF FLOWER	-2P	2	S--4--	I-----
.884-026 NEEDLE-STRAIGHTENER	NEEDLE PIN	-2-	3	L--4-6	I-----
.687-010 BUCKLE INSPECTOR	BUTTON	-1-	2	L--4-6	I-----
.687-014 BUCKLE SORTER	BUTTON	-2-	2	S--4-6	I-----

734. FABRICATION OF NOTIONS (CONT.)

.687-018	BUTTON GRADER	BUTTON	-2-	4	S--4-6	I-----
.687-022	BUTTON RECLAIMER	KNIT GOODS	-1-	2	S--4-6	I-----
.687-030	SHELL-GRADER	BUTTON	-2-	4	H--4-6	I-----
.687-034	SORTER	BUTTON	-1P	2	S--4-6	I-----
.687-038	ZIPPER TRIMMER HAND	NEEDLE PIN	-2-	2	S--4-6	I-----

Language	Mathematics	Perceptive Processing
MODERATE	MINIMUM	MODERATE

.687-026	INSPECTOR SLIDE FASTENERS	NEEDLE PIN	-2-	4	L--4-6	I---3--
----------	---------------------------	------------	-----	---	--------	---------

735. FABRICATION AND REPAIR OF JEWELRY, S.E.C.

Language	Mathematics	Perceptive Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	CHAIN NEWER	JEWELRY	-2P	3	S--4--	I-----
.887-014	COMPACT ASSEMBLER	JEWELRY	-2P	2	S--4--	I-----
.887-018	JIPPIE	JEWELRY	-2-	2	L--4--	I--4---
.887-022	LINKER	JEWELRY	-2P	3	S--4--	I-----
.887-026	PAINTER	JEWELRY	-1-	2	S--4--	I-----
.887-034	RACKER	JEWELRY	-1-	2	L--4--	I-----
.887-042	STONE SETTER	JEWELRY	-2P	2	S--4-6	I-----
.887-046	STONE-SETTER APPRENTICE	JEWELRY	-2P	3	S--4-6	I-----
.887-050	SWEDGER	JEWELRY	-2P	2	L--4--	I-----
.887-054	WIRE DRAWER	JEWELRY	-2-	2	L--4--	I-----
.884-014	MUSIC-BOX ASSEMBLER	MUSICAL INST	-2P	3	L--4--	I-----
.884-018	STONER	JEWELRY	-2P	4	S--4-6	I-----

Language	Mathematics	Perceptive Processing
MODERATE	MINIMUM	MINIMUM

.884-022	TROPHY ASSEMBLER	JEWELRY	-2P	5	L--4-6	I-----
----------	------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptive Processing
MINIMUM	MINIMUM	MODERATE

.887-030	PIN-UP-CLIP FASTENER	JEWELRY	-2P	2	S--4--	I-----
.887-038	SORTER	JEWELRY	-1-	2	S--4--	I-----
.884-010	BEAD STRINGER	JEWELRY	-2P	5	S--4-6	I-----

Language	Mathematics	Perceptive Processing
MODERATE	MINIMUM	MODERATE

.887-010	COLORING CHECKER	JEWELRY	-3-	4	L--4-6	I-----
----------	------------------	---------	-----	---	--------	--------

736. FABRICATION AND REPAIR OF ORDNANCE AND ACCESSORIES

Language	Mathematics	Perceptive Processing
MINIMUM	MINIMUM	MINIMUM

.887-018	GREASER	FIREARMS	-1-	2	M--4--	I-----
.687-010	INSPECTOR BARREL	FIREARMS	-2-	2	H--4-6	I-----

Assembly and Repair of Assorted Products

PHYS.D WK COND
HPP SVP 123456 1234567

736. FABRICATION AND REPAIR OF ORDNANCE AND ACCESSORIES (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 BARREL LOADER AND CLEANER
.887-022 INSPECTOR LIVE AMMUNITION

FIREARMS -2P 2 M--4-- I---56-
FIREARMS -2- 1 L--4-- I--456-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.781-010 FITTER VENTILATED RIB

FIREARMS -3P 5 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 FRONT-SIGHT ATTACHER
.884-022 BARREL FINISHER
.884-030 BARREL STRAIGHTENER

FIREARMS -2P 2 L--4-- I-----
FIREARMS -2P 4 M--4-6 I-----
FIREARMS -3P 5 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-034 GAS-CHECK-PAD MAKER

FIREARMS -3P 4 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 BARREL REPAIRER

FIREARMS -2P 5 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 ALINER BARREL AND RECEIVER
.884-014 ASSEMBLER
.781-014 SIGHT MOUNTER

FIREARMS -3P 3 H-34-6 I--4---
FIREARMS -3P 3 L--4-6 I-----
FIREARMS -3P 5 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 ASSEMBLER
.781-018 TARGETEER
.587-010 INSPECTOR ASSEMBLY
.387-014 PROOF INSPECTOR

FIREARMS -3P 4 M--4-6 I-----
FIREARMS -3P 5 S--4-6 I---56-
FIREARMS -3- 3 M----- I--4---
FIREARMS -3P 3 L--4-6 I---56-

737. FABRICATION OF AMMUNITION, FIREWORKS, EXPLOSIVES, AND RELATED PRODUCT

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ASSEMBLER
.887-018 BLASTING-CAP ASSEMBLER
.887-022 BOMB LOADER
.887-030 CHECK WEIGHER
.887-034 CORE LOADER
.887-058 IGNITER CAPPER
.887-062 LABORER AMMUNITION ASSEMBLY
.887-070 LACQUER-PIN-PRESS OPERATOR
.887-074 MANUAL-PLATE FILLER

AMMUNITION -2P 2 L--4-- I----6-
AMMUNITION -2P 2 L-34-- I-----
AMMUNITION -3P 3 M-34-- I---56-
AMMUNITION -2P 1 S--4-6 I---67
AMMUNITION -2P 1 L--4-- I-----7
AMMUNITION -1- 1 L--4-- I-----
AMMUNITION -2P 3 M--4-- I---6-
AMMUNITION -2P 1 L--4-- I---6-
AMMUNITION -1P 2 L--4-- I-----

737. FABRICATION OF AMMUNITION, FIREWORKS, EXPLOSIVES,
AND RELATED PRODUCTS (CONT.)

.887-078 PRIMER ASSEMBLER	AMMUNITION	-2P	3	M--4-6	I----6-
.887-082 PRIMER BOXER	AMMUNITION	-2P	2	L--4--	I----6-
.887-086 PRIMER CHARGER	AMMUNITION	-2P	3	M--4--	I----6-
.887-090 PROPELLANT-CHARGE-ZONE ASSEMBL	AMMUNITION	-2P	3	M--4-6	I----6-
.887-098 SCREW-EYE ASSEMBLER	AMMUNITION	-1-	1	L--4--	I-----
.887-106 TAPPER HAND	AMMUNITION	-2P	1	M--4--	I-----
.884-018 FUSE ASSEMBLER	AMMUNITION	-2P	3	L--4-6	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-026 BOOSTER ASSEMBLER	AMMUNITION	-2P	2	L--4--	I-----
.887-042 EXPLOSIVE OPERATOR	AMMUNITION	-3P	3	L--4--	I----6-
.887-066 LABORER AMMUNITION ASSEMBLY	AMMUNITION	-3P	2	M--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-038 DETONATOR ASSEMBLER	AMMUNITION	-2P	2	L--4--	I----6-
.887-102 SHADOWGRAPH-SCALE OPERATOR	AMMUNITION	-2P	2	S--4-6	I----67
.884-022 INSPECTOR SALVAGE	AMMUNITION	-2P	2	L--4--	I----6-
.884-024 POWDER WORKER, TNT	AMMUNITION	-3P	4	M--4--	I----6-
.487-010 PROPELLANT-CHARGE LOADER	AMMUNITION	-3P	2	M-----	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-110 VARNISHING-UNIT OPERATOR	AMMUNITION	-2P	2	L--4--	I-----
.687-014 INSPECTOR BULLET-SLUGS	AMMUNITION	-2P	3	S--4--	I----5--
.687-018 INSPECTOR FIREWORKS	FIREWORKS	-2P	2	L--4--	I----6-
.687-022 INSPECTOR SHEILS	AMMUNITION	-2P	2	L--4-6	I-----
.687-026 MERCURY-CRACKING TESTER	AMMUNITION	-2P	2	L--4-6	I----6-
.687-034 PRIMER INSPECTOR	AMMUNITION	-2P	2	S--4-6	I----6-
.687-038 SALVAGER I	AMMUNITION	-3P	4	L-----	I-----
.685-010 SHAKER-PLATE OPERATOR	AMMUNITION	-3P	2	L--45-	I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-046 EXPLOSIVE OPERATOR	AMMUNITION	-3P	2	L--4--	I----6-
.887-094 SALVAGER II	AMMUNITION	-3P	3	M--4-6	I----6-
.884-010 CARDOX-PLANT OPERATOR	MINING / QUA	-3P	3	M--4--	I----6-
.387-010 DROP TESTER	AMMUNITION	-3-	3	L--4--	I----6-
.387-022 PRESSURE-TEST OPERATOR	AMMUNITION	-3P	4	L--4--	I----5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-014 BANDOLEER STRAIGHTENER-STAMPER	AMMUNITION	-2-	2	S-34--	I-----
.687-010 INSPECTOR	AMMUNITION	-3P	4	L--4-6	I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-054 GAGE-AND-WEIGH-MACHINE OPERATO	AMMUNITION	-2P	2	S--4--	I-----
---	------------	-----	---	--------	--------

737. FABRICATION OF AMMUNITION, FIREWORKS, EXPLOSIVES,
AND RELATED PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-050 FIREWORKS ASSEMBLER
.687-030 MIXER
.387-018 INSPECTOR I
.384-010 PROCESS CHECKER

FIREWORKS -2P 2 L--4-- I-----
FIREWORKS -3P 2 H--4-- I-----7
AMMUNITION -1- 5 M--4-6 I-----
AMMUNITION -3- 5 L--4-6 I-----

739. FABRICATION AND REPAIR OF PRODUCTS MADE FROM ASSORTED MATERIALS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ASSEMBLER
.887-014 ASSEMBLER CORNCOB PIPES
.887-018 ASSEMBLER DRESSMAKER FORM
.887-022 ASSEMBLER FILTERS
.887-026 ASSEMBLER FINGER BUFFS
.887-030 ASSEMBLER OIL FILTERS
.887-034 ASSEMBLER SMALL PRODUCTS
.887-046 BLACKBOARD-ERASER MAKER HAND
.887-050 BRUSH FILLER HAND
.887-066 CANDLEWICK STRINGER
.887-070 CLEANER
.887-074 CLEANER SIGNS
.887-078 CLIPPER
.887-086 DUST-BRUSH ASSEMBLER
.887-090 DUST-MOP MAKER
.887-094 EYE-DROPPER ASSEMBLER
.887-106 FITTER
.887-110 FOLDER-CEMENTER
.887-114 GASKET FITTER
.887-118 GLUER
.887-122 HACKLER
.887-126 HANDLE-GRIP ASSEMBLER
.887-130 HOSE ASSEMBLER
.887-138 MOP MAKER
.887-142 MOP-HANDLE ASSEMBLER
.887-146 NAILER
.887-150 ORNAMENT MAKER HAND
.887-154 PAINT-ROLLER WINDER
.887-166 POURER
.887-170 PULL-OUT OPERATOR
.887-174 SHANK THREADER
.887-178 STACKING MACHINE OPERATOR
.887-182 STAINER
.887-206 UMBRELLA TIPPER MACHINE
.887-210 VACUUM-BOTTLE ASSEMBLER
.887-218 WICK-AND-BASE ASSEMBLER
.884-022 BRAKEMAKER DONKEY ENGINE

MIRROR -3P 3 M--4-- I-----
SMOKING PIPE -2P 2 S--4-- I-----
MODEL / PATT -1- 2 L--4-- I-----
GLASS PROD -2P 3 L--4-- I-----
TEX PROD N E -2P 2 L--4-- I-----
AUTO MFG -3P 2 L--4-- I-----
ANY IND H2P 2 L--4-6 I-----
FELT GOODS -2P 1 L--4-- I-----
BRUSH -2P 3 S--4-6 I-----
CANDLE -2P 2 L--4-- I-----
SMOKING PIPE -1- 2 L--4-- I-----
SIGNS -1- 2 M234-- B----6-
BROOM -2P 2 M--4-- I-----
ELEC EQUIP -2P 2 M--4-- I--4--
HOUSE FURN -1- 2 L--4-- I-----
GLASS PROD -1- 2 S--4-- I-----
FURN MIRROR -2P 2 L--4-6 I-----
NEEDLE PIN -2P 2 L--4-6 I-----
MACH MFG -2P 2 L--4-- I-----
ANY IND -2- 1 L--4-- I-----7
BROOM -2P 1 L--4-6 I-----7
FLEC EQUIP -2P 1 M--4-- I-----
ELEC EQUIP -2P 2 L--4-- I-----
HOUSE FURN -2P 2 L--3-- I-----
HOUSE FURN -2P 2 L--4-- I-----
TINWARE -2P 2 L--4-- I-----
FABRIC PROD -2P 3 L--4-- I-----
BRUSH -2P 3 L--4-- I--5--
CANDLE -2P 2 L--4-- I-----
LINOLEUM -1P 3 L--4-- I-----
SMOKING PIPE -1P 2 S--4-- I-----
ANY IND -2- 2 M--4-- I-----
SMOKING PIPE -1- 2 L--4-- I-----
UMBRELLA -2P 2 S--4-- I-----
GLASS PROD -2P 1 L--4-- I-----
CANDLE -2P 2 M--4-6 I-----
MACH MFG -2P 4 M--4-- I-----

739. FABRICATION AND REPAIR OF PRODUCTS MADE FROM ASSORTED
MATERIALS, N.E.C. (CONT.)

.884-046 CLIP-AND-HANGER ATTACHER	MIRROR	-2P	3	L--4--	I-----
.884-054 CROQUIGNOLE-CURL-MACHINE OPERA	HAIRWORK	-2P	2	S--4--	I-----
.884-058 CURTAIN-ROLLER ASSEMBLER	WINDOW SHADE	-2P	3	L--4--	I-----
.884-066 DE-ICER FINISHER	RUBBER GOODS	-3P	4	L--4-6	I-----
.884-094 FORM COVERER	MODEL / PATT	-2P	3	L--4--	I-----
.884-114 HANDBAG FRAMER	LEATHER PROD	-2P	2	L--4-6	I-----
.884-122 LAST IRONER	LASTS / REL	-2P	3	M--4-6	I-----
.884-126 LAST MARKER	LASTS / REL	-1P	2	L--4-6	I-----
.884-130 LAST REMODELER	LASTS / REL	-3P	4	M--4-6	I-----
.884-134 LAST REPAIRER	BOOT / SHOE	-2P	3	L--4--	I-----
.884-138 LAST-REPAIRER HELPER	BOOT / SHOE	-2P	2	L--4--	I-----
.884-142 MANNEQUIN MOUNTER	MODEL / PATT	-2P	5	L--4--	I-----
.884-146 MANNEQUIN SANDER AND FINISHER	MODEL / PATT	-2P	3	L--4-6	I-----
.884-150 MAT CUTTER	MIRROR / PIC	-2P	2	L--4-6	I-----
.884-154 MIRROR FRAMER	MIRROR MIRRO	-3P	3	M--4--	I-----
.884-158 MOP MAKER	HOUSE FURN	-2P	2	L--4--	I-----
.884-162 MOUNTER SMOKING PIPE	SMOKING PIPE	-2P	2	L--4--	I-----
.884-186 PRESSER	ARTIF FLOWER	-2P	2	L--4--	I-----
.884-198 TICKET-CHOPPER ASSEMBLER	FURN	-3P	5	M--4-6	I-----
.884-202 UMBRELLA MAKER	UMBRELLA	-2P	3	L--4-6	I-----
.884-206 UMBRELLA TIPPER HAND	UMBRELLA	-1P	2	S--4--	I-----
.884-210 VENETIAN-BLIND ASSEMBLER	WINDOW SHADE	-2P	3	M--4--	I-----
.884-226 WOODEN-SHADE HARDWARE INSTALLE	WINDOW SHADE	-2P	3	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-158 PART MAKER
.884-086 FINISHER MAP-AND-CHART

JEWELRY CASE -2P 2 S--4-- I-----
PRINT / PUB -3P 5 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-050 COMPOSITION MOLDER
.884-090 FOOT-MITER OPERATOR
.781-014 FABRICATOR SHOWER DOORS AND PA

MODEL / PATT -3P 3 L--4-- I-----
MIRROR / PIC -2P 2 L--4-6 I-----6-
STRUCT / ORN -3P 5 M--4-- I-----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-038 ASSEMBLER-ARRANGER
.887-042 ASSEMBLER
.887-054 CANDLE CUTTER
.887-058 CANDLE DECORATOR
.887-062 CANDLE MOLDER HAND
.887-082 DIGGER
.887-098 FILLER
.887-134 KNOT TIER
.887-162 PIPE-SMOKER-MACHINE OPERATOR
.887-214 VENETIAN-BLIND CLEANER AND REP
.884-014 ARTIFICIAL-FLOWER MAKER
.884-026 BROOMMAKER

FABRIC PROD -2P 2 L--4-- I-----
MIRROR MIRRO -2P 2 L--4-6 I-----
CANDLE -2P 2 M--4-- I-----
CANDLE -2P 3 L--4-6 I-3-----
CANDLE -2P 3 L--4-- I-----
SMOKING PIPE -2P 3 S--4-6 I-----
SMOKING PIPE -2P 2 L--4-- I-----
FABRIC PROD -2P 1 S--4-6 I---5--
SMOKING PIPE -2P 2 L--4-6 I-----
ANY IND -2P 3 M--4-- I--4---
ARTIF FLOWER -3P 3 L--4-- I-----
BROOM -3P 4 L--4-- I-----

739. FABRICATION AND REPAIR OF PRODUCTS MADE FROM ASSORTED MATERIALS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-030 BUFFER
 .884-074 DECORATOR
 .884-082 FINISHER BRUSH
 .884-098 FOUNDATION MAKER
 .884-110 HAIR WORKER
 .884-118 LAMP-SHADE ASSEMBLER
 .884-166 NEEDLE-BOARD REPAIRER
 .884-174 PETAL SHAPER HAND
 .884-178 PICTURE FRAMER
 .884-182 PICTURE-FRAME MAKER
 .884-190 SCREEN MAKER
 .884-214 VENTILATOR
 .884-218 VULCANIZER BRUSH
 .884-222 WEAVER
 .687-010 BLOCK INSPECTOR
 .687-018 CORK INSPECTOR
 .687-026 GASKET INSPECTOR
 .687-042 PATCH DRILLER
 .687-046 PATCHER
 .687-050 SALVAGER
 .687-058 SPOT PICKER MOLDED GOODS
 .687-062 TABLE WORKER

SMOKING PIPE -2P 3 L--4-6 I-----
 LEATHER PROD -2P 3 L--4-- I-----
 BRUSH -2P 5 L--4-- I---5-7
 HAIRWORK -3P 5 S--4-6 I-----
 HAIRWORK -2P 5 L--4-6 I-----
 FABRIC PROD -3P 2 S--4-6 I---5--
 FELT GOODS -2P 2 L--4-6 I-----
 ARTIF FLOWER -2P 4 S--4-- I-----
 MIRROR / PIC -3P 4 M--4-- I-----
 MIRROR / PIC -2P 4 L--4-6 I-----
 WALLPAPER -2P 3 L--4-- I-----
 HAIRWORK -2P 5 S--4-6 I-----
 BRUSH -2P 5 H--4-- I-----
 HAIRWORK -3P 4 S--4-6 I-----
 MATCH -2P 3 L--4-- I-----
 CORK PROD -2P 2 S--4-6 I---5--
 PIPE / BOILE -2- 3 M--4-- I-----
 SMOKING PIPE -3P 3 L--4-6 I---5--
 SMOKING PIPE -2- 3 S--4-- I-----
 MATCH -2- 2 L--4-- I-----
 LINOLEUM H2P 3 L-34-6 I-----
 LINCLEUM -2P 2 S--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-018 FIRE-EQUIPMENT-INSPECTOR HELPE
 .884-062 DE-ICER ASSEMBLER ELECTRIC
 .484-010 CHRONOGRAPH OPERATOR

ANY IND -2- 3 M234-- B----67
 RUBBER GOODS -3P 5 M-34-6 I-----
 AMMUNITION P -3P 3 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 ARTIFICIAL-CANDY MAKER
 .884-034 BUFFING-AND-POLISHING-WHEEL RE
 .884-102 FURNITURE ASSEMBLER AND INSTAL
 .884-170 OIL SEAL ASSEMBLER
 .781-018 FIGURE REFINISHER AND REPAIRER
 .687-014 BROOMCORN GRADER
 .687-030 INSPECTOR
 .387-014 HAIR-SAMPLE MATCHER

FABRIC PROD -3P 5 L--4-- I-----
 ANY IND -3P 3 M--4-- I-----
 RET TR -2P 4 H--4-- I-----
 LEATHER PROD -2P 3 S--4-6 I-----
 RET TR -3P 5 L--4-6 I-----
 BROOM -3- 3 M--4-6 I-----
 MATCH -2- 2 M--4-- I-----
 HAIRWORK -3- 5 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-038 CANDLEMAKER
 .884-042 CASE FINISHER
 .687-034 INSPECTOR OIL FILTERS

CANDLE -3P 4 M--4-6 I-----
 JEWELRY CASE -3P 2 S--4-- I-----
 AIRCRAFT MFG -3- 2 L--4-- I--4--

739. FABRICATION AND REPAIR OF PRODUCTS MADE FROM ASSORTED
MATERIALS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-028 BRUSH MATERIAL PREPARER	BRUSH	-3P	5	N--4-6	I-----
.884-070 DE-ICER-ELEMENT WINDER HAND	RUBBER GOODS	-3P	4	L--4--	I-----
.884-194 SMOKING-PIPE REPAIRER	ANY IND	-3P	5	L--4-6	I-----
.687-022 EXAMINER	UMBRELLA	-3-	2	L--4--	I-----
.687-038 INSPECTOR OILCLOTH	ARTIF LEATHE	-3P	4	L--4-6	I-----
.687-054 SELECTOR	SMOKING PIPE	-3-	3	L--4-6	I-----
.587-010 INSPECTION CLERK	LINOLEUM	-3P	4	H--4-6	I----6-
.484-014 FIRE-EQUIPMENT INSPECTOR	ANY IND	-3P	4	M234--	B----67
.387-010 CASKET INSPECTOR	MORT GOODS	-3-	5	L--4-6	I-----

**PAINTING, DECORATING, AND
RELATED WORK (740.-749.)**

Occupations in this area are concerned with applying protective or decorative material such as paint, enamel, varnish, shellac, stain, or oil to articles in a production environment. The painting of residential and commercial buildings is included within groups 840.-849. for the structural occupations.

About half of the occupations in this area make minimum cognitive demands and another 30 percent demand only perceptual processing. Perceptual processing demands derive from activities such as detecting minor variations in texture or color of coated surfaces, verifying that finished products meet standards of quality, mixing stains and finishes to match a sample, and masking surfaces of products to create special designs and effects. Language demands derive mostly from verbal communications, but custom painting may involve the reading of specifications. Completing production records may be required. Mathematics demands generally derive from measuring ingredients according to a formula or computing proportions to achieve a desired volume.

Manual dexterity in the use of brushes, sprays, sanders, and buffers is commonly required, although there is a trend toward more mechanized and less manual work especially in larger facilities.

Opportunities tend to be widespread but not in large concentrated numbers. Career progression opportunities are severely limited unless one goes into custom or elegant decorative work.

PHYS.D WK COND
HRP SVP 123456 1234567

740. BRUSH PAINTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BUTTON SPINDLER
.887-018 FUNNEL COATER, HAND
.887-022 PAINTER PANEL EDGE
.887-026 SHELLACKER
.887-030 STAMP FILLER
.887-034 TIRE FINISHER
.884-030 PAINTER, MANNEQUIN

BUTTON -1P 2 S--4-- I-----7
ELECTRONICS -2P 2 M--4-- I-----
FURN -1- 2 L--4-- I---5--
AMMUNITION -2P 3 L----- I-----
ANY IND -2P 2 L--4-6 I-----
RUBBER TIRE -1- 1 M--4-6 I-----
MODEL / PATT -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-022 LAST-CODE STRIPER

LASTS / REL. -2P 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-014 DIXONAC OPERATOR
.884-026 PAINTER, BRUSH

ELECTRONICS -2P 2 M--4-- I-----
ANY IND -2P 2 M--4-6 I-----7

740. BRUSH PAINTING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 DECORATOR
.884-042 TOUCH-UP PAINTER HAND

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 CHARGER

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-034 RETOUCHER

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 ENAMELER

BUTTON JEWEL -2P 5 S--4-- I-----
ANY IND -2P 2 L--4-6 I-----7

JEWELRY -2P 5 S--4-6 I-----

BAL / SCALES -3P 4 L--4-6 I-----

JEWELRY -3P 5 S--4-6 I-----

741. SPRAY PAINTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ADHESIVE SPRAYER
.887-018 FORMING-PLATE SPRAYER
.887-022 PAINTER BLACKWALL TIRE
.887-034 RUBBER
.887-038 SPRAYER
.887-042 STRIPER MACHINE
.887-046 WATERPROOFER
.884-022 PAINTER MIRROR
.884-030 PAINTER WHITEWALL TIRE
.884-034 PORCELAIN-ENAMEL REPAIRER

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 DAGGER OUTSIDE
.887-026 PAINTER HELPER SPRAY
.887-030 PAINTER SPRAY
.884-010 ARTIST MANNEQUIN COLORING
.884-018 PAINTER ELECTROSTATIC
.884-026 PAINTER SPRAY
.884-038 SPRAY-PAINTING-MACHINE OPERATOR
.884-042 STENCILER

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.587-010 PAINT-SPRAY INSPECTOR

RUBBER GOODS -2P 2 L-34-- I-----7
RUBBER GOODS -1- 2 H--4-- I-----7
RUBBER TIRE -1- 3 M--4-- I-----
PAPER GOODS -1- 1 L--4-- I-----
BOOT / SHOE -2P 2 L--4-- I-----
ANY IND -2P 2 L--4-6 I-----
BOOT / SHOE -2P 2 L--4-- I-----
MIRROR -2P 3 M--4-6 I-----7
RUBBER TIRE -2P 3 M--4-6 I-----7
ANY IND -2- 2 H--4-6 I-----

ELECTRONICS -2P 2 S--4-- I-----67
ANY IND -3P 2 M-34-- I-----7
ANY IND -2P 2 M----- I-----7
MODEL / PATT -2P 4 L--4-6 I-----
ANY IND -3P 2 L--4-6 I-----7
ANY IND -3P 5 M--4-6 I-----7
ANY IND -2P 2 L--4-6 I-----7
CARPET / RUG -2P 4 L--4-6 I-----7

ANY IND -2- 2 L--4-6 I-----

Painting, Decorating, and Related Work

PHYS.D WK COND
HRP SVP 123456 1234567

741. SPRAY PAINTING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 PAINT-SPRAY TENDER MIRROR -3P 4 M--4-- I-----

742. STAINING, WAXING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BURNISHER MIRROR / PIC -1- 3 L--4-6 I-----
.887-014 SNATH FINISHER SHAPED WOOD -1- 1 L--4-- I-----
.887-018 WIPER FURN -1- 2 L-34-- I-----
.884-010 RUBBER FURN MIRROR -2P 3 M-34-6 I-----

749. PAINTING, DECORATING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BALLOON DIPPER RUBBER GOODS -2P 2 M--4-- I-----
.887-018 DIPPER AND DRIER FURN SHAPED -2P 2 H234-- I-----7
.887-022 KEG VARNISHER COOPERAGE -1- 2 M-34-- I-----7
.887-026 MASKER ANY IND -2P 3 L--4-- I-----
.887-030 PLASTERER FURN -1- 2 L--4-- I-----
.887-038 REFRIGERATOR CLEANER REFRIGERAT E -1- 1 M--4-- I-----7
.887-042 SPRAY-BOOTH CLEANER ANY IND -1- 1 M-34-- I-----
.887-046 STRIPPER FURN -2P 2 M--4-- I-----7
.884-022 FINISHER WOOD BOX -1P 4 M--4-6 I-----7
.884-034 INLAY PAINTER BUTTON -2P 2 S--4-6 I-----
.884-062 STOVE REFINISHER ANY IND -2P 3 H-34-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-034 RACKER SPORTS EQUIP -2P 1 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CRESTER SPORTS EQUIP -2P 2 L--4-- I-----
.884-014 DECAL APPLIER ANY IND -2P 2 L-34-6 I--4--
.884-018 DECORATOR FURN -2P 3 L--4-6 I-----7
.884-026 FRAME TRIMMER MIRROR / PIC -2P 2 L--4-6 I-----
.884-030 GILDER ANY IND -2P 2 L--4-6 I-----7
.884-038 LACQUERER JEWELRY -2P 4 L--4-- I-----7
.884-042 METAL-LEAF GILDER MIRROR / PIC -2P 2 L--4-6 I-----
.884-046 PAINTER, TOUCH-UP ANY IND -2P 4 M--4-6 I-----7
.884-050 PUTTY GLAZER ANY IND -2P 3 M--4-6 I-----
.884-058 STAINER FURN MIRROR -2P 3 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 CANDLE DECORATOR CANDLE -2P 5 S--4-6 I-----
.884-054 SANDER REFRIGERAT E -2P 3 M--4-6 I---5-7

**ASSEMBLY AND REPAIR OF PLASTIC/
RUBBER GOODS (750.-759.)**

Occupations in this area are concerned with fabrication or repair of products such as solid and pneumatic tires, inner tubes, tire treads, re-capped and retreaded tires, footwear, hose, V-belts, floormats, balloons, and gaskets.

Although occupations in this area demand all eight combinations of cognitive capabilities, almost half make minimum demands and an additional 30 percent demand only perceptual processing. Perceptual processing demands derive largely from forming three dimensional shapes and inspection of products for defects. Language demands derive primarily from verbal communications of work instructions, defects and malfunctions, and the coordination of tasks with other workers. Reading of specifications is infrequently required. Mathematical demands derive largely from weighing or measuring ingredients, although there are infrequent requirements for the computation of test results or the application of geometric measures.

Dexterous use of hands is frequently required for the forming of materials into shapes, feeding materials and partially finished products into machines, and the regulation of machines. There is a trend toward increased automatic and reduced manual operation.

Most opportunities are in fabrication. There are few repair or reconditioning jobs. Career progression opportunities are limited.

PHYS.D WK COND
HRP SVP 123456 1234567

750. FABRICATION AND REPAIR OF TIRES, TUBES, TIRE TREADS, AND RELATED PPG

LANGUAGE	Mathematics	Perceptual Processing				
MINIMUM	MINIMUM	MINIMUM				
.887-010 AIR-BAG EXTRACTOR			RUBBER TIRE	-2P	2	H-34-- I-----
.887-018 CURING-BELT FEEDER			RUBBER TIRE	-1-	2	L--4-- I-----
.887-026 INNER-TUBE INSERTER			RUBBER TIRE	-2P	2	H--4-- I-----
.887-030 SOLID-TIRE FINISHER			RUBBER TIRE	-2P	2	H-34-- I-----
.887-034 TIRE DUSTER			RUBBER TIRE	-1-	1	H-34-- I-----
.887-038 TIRE LUBRICATOR			RUBBER TIRE	-2P	2	V--4-- I-----7
.887-042 TIRE MOUNTER			FABRIC PROD	-2P	2	L--4-- I----6-
.887-050 TIRE WASHER			RUBBER TIRE	-1-	1	M--4-- I--4---
.887-054 TREAD WEIGHER AND BOOKER			RUBBER TIRE	-1-	2	M--4-- I-----
.887-062 VALVE CEMENTER			RUBBER TIRE	-1P	2	L--4-- I-----
.887-066 VALVE FITTER			RUBBER TIRE	-1P	2	L--4-- I-----
.887-070 VALVE-CORE INSERTER			RUBBER TIRE	-2P	2	S--4-- I-----
.887-074 VALVE-STEM-HOLE PUNCHER			RUBBER TIRE	-1-	2	L--4-- I-----
.884-010 BAND BUILDER			RUBBER TIRE	-3P	4	M--4-6 I-----
.884-014 BEAD BUILDER			RUBBER TIRE	-3P	2	L--4-6 I-----
.884-018 MAT REPAIRER			RUBBER GOODS	-2P	2	L--4-- I-----
.884-022 SKIVER			RUBBER TIRE	-2P	3	L--4-- I-----
.884-026 SOLID-TIRE BUILDER			RUBBER TIRE	-3P	3	H-34-6 I-----7
.884-030 TIRE BUILDER			AUTO SER	-3P	4	M--4-6 I-----7

750. FABRICATION AND REPAIR OF TIRES, TUBES, TIRE
TREADS, AND RELATED PRO (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-042 TIRE GROOVER	AUTO SER	-2P	3	M--4--	I----6-
.884-046 TIRE TRIMMER HAND	RUBBER TIRE	-2P	2	M--4--	I-----
.884-050 TIRE VULCANIZER	AUTO SER	-3P	4	M--4-6	I-----7
.884-054 TREAD CUTTER TRUCK TIRES	RUBBER TIRE	-2P	2	H-34-6	I----6-
.884-058 TREAD-CUTTING-MACHINE OPERATOR	RUBBER TIRE	-2P	2	M--4--	I-----
.884-062 TUBE BALANCER	RUBBER TIRE	-2P	3	M-34--	I-----
.884-066 TUBE BUILDER AIRPLANE	RUBBER TIRE	-3P	4	L--4-6	I-----
.884-070 TUBE REPAIRER	RUBBER TIRE	-3P	3	M--4-6	I-----
.884-074 TUBE SPLICER	RUBBER TIRE	-2P	2	L--4--	I-----
.687-018 TIRE BALANCER	RUBBER TIRE	-2P	2	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-046 TIRE PROCESSOR	RUBBER TIRE	-2P	2	M--4--	I-----
.884-034 TIRE BUILDER AUTOMOBILE	RUBBER TIRE	-3P	5	M--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 BAND WRAPPER	RUBBER TIRE	-2P	2	L--4--	I-----
.887-022 INNER-TUBE DEFLATOR	RUBBER TIRE	-2P	2	M--4--	I-----
.887-058 VALVE BUFFER	RUBBER TIRE	-2-	2	L--4--	I-----
.781-014 TIRE REPAIRER	RUBBER TIRE	-3P	5	M--4-6	I-----
.687-010 AIR-BAG TESTER	RUBBER TIRE	-2-	2	M--4--	I--4---
.687-014 RACKER	RUBBER TIRE	-1-	3	V-34--	I-----7
.687-022 TIRE INSPECTOR	AUTO SER	-2-	4	M-3---	I-----
.687-026 TUBE INSPECTOR AND FINISHER	RUBBER TIRE	-3P	3	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-078 TUBE-PROCESSING-EQUIPMENT TEND	RUBBER TIRE	-3P	3	M--4-6	I-----
.387-010 TIRE CLASSIFIER	RUBBER TIRE	-3-	5	M-34--	I-----
.384-014 TIRE INSPECTOR	RUBBER TIRE	-3-	5	M-34-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.781-010 GREEN-TIRE REPAIRER	RUBBER TIRE	-3P	5	M--4-6	I-----
------------------------------	-------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.384-010 GREEN-TIRE INSPECTOR	RUBBER TIRE	-3P	5	M-34--	I-----
-------------------------------	-------------	-----	---	--------	--------

751. LAYING OUT AND CUTTING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 HOSE CUTTER MACHINE	RUBBER GOODS	-2P	2	H--4--	I-----
.887-018 PATTERN HAND	FABRIC PLAST	-2P	3	L--4--	I-----
.887-022 RUBBER-SPLICE PREPARER	RUBBER GOODS	-2P	2	L--4--	I-----
.887-030 TUBER-MACHINE-CUTTER HELPER	RUBBER GOODS	-1-	1	M--4--	I-----
.884-018 CUTTER HOT KNIFE	RUBBER GOODS	-2P	3	L--4-6	I-----

751. LAYING OUT AND CUTTING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-026 STOCK PREPARER

FABRIC PLAST -2- 3 L--4-- I----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 CUTTER HAND

RUBBER GOODS -3P 2 L--4-6 I-----

.884-022 FOXING CUTTER HOT KNIFE

RUBBER GOODS -2P 2 L--4-6 I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 COLD-ROLL INSPECTOR

PLASTICS MAT -3P 4 L--4-6 I-----

.884-026 PREFORMER

SHIP / BOAT -3P 3 M--4-6 I-----

.884-030 TUBER-MACHINE CUTTER

RUBBER GOODS -2P 2 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-010 HOSE CUTTER HAND

RUBBER GOODS -2P 3 H-34-- I-----

752. FITTING, SHAPING, CEMENTING, FINISHING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BRAND CEMENTER

RUBBER GOODS -2P 2 L--4-- I-----

.887-014 CEMENT APPLIER

RUBBER GOODS -1- 2 H-34-- I-----7

.887-026 KEY RINGER

TYPEWRITERS -1P 2 L--4-- I-----

.887-034 TREAD-LIP FORMER

RUBBER GOODS -1- 2 L--4-- I-----

.884-018 BELT SPLICER

RUBBER GOODS -2P 3 V--4-- I-----

.884-026 BUFFER

FABRIC PLAST -1P 2 M--4-- I-----

.884-030 CATHETER BUILDER

RUBBER GOODS -3P 4 L--4-- I-----

.884-038 RUBBER-GOODS ASSEMBLER

RUBBER GOODS -2P 2 L--4-- I-----

.884-042 SECTIONAL-BELT-MOLD ASSEMBLER

RUBBER GOODS -2P 3 H--4-- I-----

.884-046 SKIN FORMER

RUBBER GOODS -3P 3 L-34-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.781-014 SELF-SEALING-FUEL-TANK BUILDER

RUBBER GOODS -3P 5 H-34-- I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 INSTALLER FUEL-BAY LINING

AIRCRAFT MFG -2P 3 M-34-- I----6-

.887-022 KEY INLAYER

TYPEWRITERS -1P 2 L--4-- I-----

.887-030 MAT FINISHER

RUBBER GOODS -2P 2 M-34-- I-----

.884-010 ASSEMBLER SPONGE GASKET

RUBBER GOODS -2P 2 L--4-- I-----

.884-014 BALLOON MAKER

RUBBER GOODS -2P 3 L--4-- I-----

.884-022 BIT BENDER

SMOKING PIPE -3P 5 L--4-6 I-----

.884-034 PADDED-PRODUCTS FINISHER

RUBBER GOODS -3P 3 M--4-6 I-----

.687-010 FLOOR-MAT JUTER

RUBBER GOODS -2P 2 M--4-6 I-----

Assembly and Repair of Plastic/Rubber Goods

PHYS.D WK COND
HRP SVP 123456 1234567

753. FARICATION AND REPAIR OF RUBBER AND PLASTIC FOOTWEAR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CUT-AND-COVER LINE WORKER
.887-018 DEBRANDER
.987-022 FITTER-PLACER
.887-026 FLOUF-STOCK HELPER
.887-030 LAST-STRIPPER HAND
.887-034 STOCKLAYER HELPER
.887-038 MAKING-LINE WORKER
.887-042 MOLD FILLER AND DRAINER
.887-054 SWAB MAKER
.887-058 WEAR TESTER
.884-010 ED LASTER
.884-014 ENFFING-AND-SUEDING-MACHINE OP
.884-018 CEMENTER HAND
.884-026 HAND LASTER
.884-030 HOOKER LASTER
.884-034 LASTER
.884-046 PULLER-LASTER
.884-058 ROLLER-STITCHER

RUBBER GOODS -2P 3 L--4-6 I-----
RUBBER GOODS -1- 2 L--4-6 I----6-
RUBBER GOODS -2P 2 L--4-6 I-----
RUBBER GOODS -1- 1 L----- I-----
RUBBER GOODS -1P 2 L--4-- I-----
RUBBER GOODS -2P 2 H234-- I---56-
RUBBER GOODS H3P 3 M--4-6 I-----
RUBBER GOODS H2P 2 L--4-- I-3--6-
RUBBER GOODS -1- 2 S--4-- I-----
RUBBER GOODS -1- 1 L----- O-----
RUBBER GOODS -3P 2 M--4-- I---5--
RUBBER GOODS -1P 2 L--4-- I-----
RUBBER GOODS -1- 2 L--4-6 I-----
RUBBER GOODS -1P 3 M--4-- I---5--
RUBBER GOODS H2P 2 L--4-- I---6-
RUBBER GOODS -2P 3 L--4-- I-----
RUBBER GOODS H2P 2 M--4-- I-3--6-
RUBBER GOODS -2P 2 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CLIPPER
.887-046 MOLD-INSERT CHANGER
.884-022 DIPPER NEOPRENE BOOT
.884-042 MACHINE-MADE-SHOE UNIT WORKER
.884-050 REPAIRER
.884-062 WADER-BOOT-TOP ASSEMBLER
.687-010 CALENDER INSPECTOR
.687-018 INSPECTOR SAMPLE PARTS
.381-010 BOOTMAKER HAND

RUBBER GOODS -2- 2 L----- I-----
RUBBER GOODS -2P 3 M----- I-3-5--
RUBBER GOODS -3P 2 L--4-- I-----
RUBBER GOODS H3P 2 L--4-6 I-3--6-
RUBBER GOODS -3P 4 M--4-6 I-----
RUBBER GOODS -3P 2 L--4-- I-----
RUBBER GOODS -2P 2 L--4-6 I---5--
RUBBER GOODS -3- 2 L--4-6 I-----
RUBBER GOODS -3P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-038 STOCKLAYER

RUBBER GOODS -3P 2 H234-- I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-050 PACKING-LINE WORKER
.687-014 INSPECTOR
.587-010 SORTER

RUBBER GOODS H2- 2 L--4-- I-----
RUBBER GOODS -3- 2 L--4-- I-----
RUBBER GOODS -2- 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.487-010 CLASSIFIER

RUBBER GOODS -3- 3 S--4-6 I-----

754. FABRICATION AND REPAIR OF MISCELLANEOUS PLASTICS PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FORM REPAIRER
.887-014 FORM-STRIP ASSEMBLER
.887-018 GLUER WET SUIT
.887-026 SEQUINS STRINGER
.884-014 ASSEMBLER-AND-GLUER LAMINATED
.884-018 BIT SHAVER
.884-034 KNOCK-OUT HAND

RUBBER GOODS -2P 2 L--4-- I-----
RUBBER GOODS -2P 2 H--4-- I-----
FABRIC PLAST -2P 2 L--4-6 I-----
FABRIC PLAST -2P 2 L--4-- I-----
FABRIC PLAST -3P 3 M--4-- I-----
SMOKING PIPE -1P 2 S--4-6 I-----
FABRIC PLAST -2P 5 M--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022 CASTER

FABRIC PLAST -3P 4 M--4-- I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022 LABORER GENERAL
.884-010 ASSEMBLER
.884-026 DRILLER HAND
.884-030 FINISHER HAND
.884-046 PLASTIC DUPLICATOR
.884-054 PLASTICS REPAIRER
.884-058 THERMOELECTRIC-HEAT-SEALING-MA

FABRIC PLAST -3P 2 M--4-- I-----
FABRIC PLAST -3P 4 M--4-6 I-----7
BUTTON -2P 2 L--4-6 I-----
FABRIC PLAST -2P 3 L--4-6 I-----7
MACH TOOL -3P 5 M--4-- I-----7
FABRIC PLAST -2P 3 L--4-- I---5--
TRIM / STAMP -2P 2 S--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-038 LAMINATOR PREFORMS
.884-042 MOLD LAMINATOR
.884-050 PLASTICS FABRICATOR

FABRIC PLAST -3P 4 M--4-- I-----7
SHIP / BOAT -3P 4 M-34-- I-----7
AIRCRAFT MFG -3P 3 M--4-- I-----7

759. FABRICATION AND REPAIR OF PLASTICS, RUBBER, AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 AIR-BAG DE-WATERER
.887-018 ASSEMBLY PREPARER
.887-026 HOSE-COUPING JOINER
.887-034 MATTRESS PLUGGER
.887-046 TUBE MAKER
.884-018 AIR-BAG RECOVERER
.884-022 AIRPLANE-GAS-TANK-LINER ASSEMB
.884-026 BRAIDER SETTER
.884-034 BELT-BUILDER HELPER
.884-038 BUFFER
.884-042 DE-ICER REPAIRER
.884-058 PATCHER BOWLING BALL
.884-070 RUBBER LINER
.884-074 RUBBER-GOODS REPAIRER

RUBBER TIRE -1- 1 L--4-- I--4---
RUBBER GOODS -2P 3 L--4-- I-----
RUBBER GOODS -2P 2 M-34-- I-----
RUBBER GOODS -1- 2 L--4-- I-----
PAPER GOODS -1- 2 L--4-- I-----
RUBBER TIRE -2P 2 M--4-- I-----
RUBBER GOODS -2P 2 L--4-- I-----
RUBBER GOODS -3P 2 M-34-- I---5-7
RUBBER GOODS -3P 3 H--4-- I-----
RUBBER GOODS -1P 2 L--4-- I-----7
RUBBER GOODS -3P 4 L--4-- I-----
SPORTS EQUIP -2P 2 M--4-- I-----
MACH MFG -2P 4 M-34-- I-----7
ANY IND -2P 4 L--4-6 I-----

759. FABRICATION AND REPAIR OF PLASTICS, RUBBER, AND RELATED PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 AIR-BAG BUILDER
.884-014 AIR-BAG BUILDER
.884-062 ROLL BUILDER

RUBBER TIRE -3P 3 M--4-- I-----
RUBBER TIRE -3P 3 H--4-6 I-----
RUBBER GOODS -3P 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 AIR-BAG REPAIRER
.887-022 FINISHER
.887-030 INFLATION TESTER
.887-038 NET DUSTER
.887-042 RUBBER-REPAIRER
.884-030 BASE-PLY HAND
.884-050 HOSE WRAPPER
.884-054 MOLD CLEANER
.884-082 SPLICER
.884-086 TUBE-AND-MAINFOLD BUILDER
.687-014 DE-ICER INSPECTOR PNEUMATIC
.687-018 DE-ICER-KIT DUMPER
.687-030 HOSE INSPECTOR AND BUNDLER
.687-034 HOSE TESTER
.687-038 MATTING INSPECTOR
.687-046 RUBBER-GOODS TESTER WATER
.687-050 WATER TESTER

RUBBER TIRE -2P 2 M--4-- I-----
RUBBER GOODS -2P 2 L--4-- I-----
RUBBER GOODS -2P 2 L--4-- I-----
RUBBER GOODS -1- 2 L--4-- I-----
PLASTICS MAT -2P 2 M--4-- I-----
RUBBER GOODS -3P 3 H-34-- I-----7
RUBBER GOODS -2P 2 M--4-- I-----
RUBBER TIRE -2P 3 M-34-6 I-----67
RUBBER TIRE -2P 2 L--4-- I-----
RUBBER GOODS -3P 3 M-34-- I-----7
RUBBER GOODS -2P 4 L--4-- I-----
RUBBER GOODS -2- 2 M-34-- I-----
RUBBER GOODS -2P 3 H--4-- I-----
RUBBER GOODS -2P 3 H-34-- I--4--
RUBBER GOODS -2P 2 M--4-6 I-----
RUBBER GOODS -2P 2 L--4-- I--4--
RUBBER GOODS -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-090 V-BELT BUILDER

RUBBER GOODS -3P 4 M--4-- I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-022 DEFECTIVE-HOSE INSPECTOR

RUBBER GOODS -2- 3 H-34-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.687-042 RUBBER-GOODS INSPECTOR-TRIMMER

RUBBER GOODS -3P 3 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-046 DE-ICER-KIT ASSEMBLER
.884-066 ROLLER MAKER
.884-078 SELF-SEALING FUEL-TANK REPAIRER
.687-010 CATHETER-FINISHER-AND INSPECTOR
.687-026 FINAL INSPECTOR
.684-010 EXPANSION-JOINT BUILDER
.587-010 INSPECTOR AND TESTER
.384-010 HOSE INSPECTOR AND PATCHER

RUBBER GOODS -2P 3 M-34-- I-----
PRINT / PUB H3P 4 M--4-6 I-----
RUBBER GOODS -3P 4 M-34-- I-----7
RUBBER GOODS -3P 3 L--4-- I-----
RUBBER GOODS -3- 3 L----- I-----
RUBBER GOODS -3P 4 M--4-6 I-----
RUBBER GOODS -3P 3 L--4-- I-----
RUBBER GOODS -3P 4 M--4-6 I-----7

**FABRICATION AND REPAIR OF
WOOD PRODUCTS (760.-769.)**

Occupations in this area are concerned with the fabrication and repair of wooden articles such as furniture, sporting goods such as skis and gun stocks, window frames, boxes, pallets, and barrels.

More than half of the occupations in this area make minimum cognitive demands and more than another 35 percent demand only perceptual processing. Perceptual processing demands derive from activities such as shaping and fitting components, grading lumber, and inspecting finished products. Language requirements derive primarily from verbal communications and much less frequently from a need to read product specifications or prepare records. Mathematics demands are concentrated on the dimensional aspects of stock and wood products.

Requirements for the dexterous use of hand and power tools are common.

There is a strong trend toward replacement of wood products with substitute materials, especially plastic and metal. This tends to hold down job opportunities in this area.

PHYS.D WK COND
HRP SVP 123456 1234567

760. BENCH CARPENTRY AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 BOX MAKER WOOD

WOOD BOX -3P 3 M--4-- I-----

761. LAYING OUT, CUTTING, CARVING, SHAPING, AND SANDING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PICTURE-FRAME-MAKER HELPER

MIRROR / PIC -1- 3 L--4-6 I-----

.887-014 POWER-CHISEL OPERATOR

CUT TOOLS -1P 2 L--4-- I-----

.887-018 SANDER HAND

WOODWORKING -1- 2 L--4-- I---5-7

.884-010 BINDER AND BOX BUILDER

TEXTILE -3P 2 L--4-- I-----

.884-074 WHITTLES AND EYE ASSEMBLER

SHAPED WOOD -2P 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 BOW SANDER FINISH

SPORTS EQUIP -2P 5 L--4-6 I-----7

.884-018 DOOR PATCHER

PLAN MILL -3P 3 M--4-6 I-----

.884-026 LATHE SANDER HAND

WOODWORKING -2P 2 M--4-- I---567

.884-030 PATTERN MARKER II

WOODWORKING -2- 2 L--4-- I---5--

.884-034 PLYWOOD PATCHER HAND

VENEER / PLY -3P 3 M--4-6 I-----

.884-038 POLISHER

WOODWORKING -2P 2 M--4-- I-----

.884-046 SANDER

SMOKING PIPE -2P 3 L--456 I---5--

.884-050 SANDER MACHINE

WOODWORKING -2P 2 M234-6 I---567

.884-054 SANDER PORTABLE MACHINE

WOODWORKING -2P 2 L-34-- I---5-7

.884-058 SHAPER HAND

FURN -3P 4 L--4-6 I-----

Fabrication and Repair of Wood Products

PHYS.D WK COND
HRP SVP 123456 1234567

761. LAYING OUT, CUTTING, CARVING, SHAPING, AND SANDING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-066 STOCK PATCHER
.884-070 STOCK SHAPEP
.884-078 WOOD BUFFER
.781-014 SKI MAKER MACHINE
.684-010 PANEL-LAY-UP WORKER

FIREARMS -3P 3 L--4-6 I-----
FIREARMS -3P 3 M--4-- I-----
MUSICAL INST -2P 4 L--4-- I-----
SPORTS EQUIP -3P 5 M--4-- I-----
WOODWORKING -2P 4 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-022 GOLF-CLUB FACER

SPORTS EQUIP -3P 4 L--4-6 I-----

762. ASSEMBLY OF WOOD PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 AUTOMATIC-NAILING-MACHINE FEED
.887-014 BAND NAILER
.887-018 BAND NAILER
.887-022 BANDER
.887-026 BOTTOM-END ASSEMBLER MILK CRAT
.887-030 BOTTOM-HALF ASSEMBLER MILK CRA
.887-034 CLAMP REMOVER
.887-038 CLAMP-JIG ASSEMBLER
.887-042 CLEAT FEEDER
.887-046 COAT-HANGER ASSEMBLER
.887-050 CORE LAYER PLYWOOD
.887-054 DOOR-CORE ASSEMBLER
.887-062 GLUE-AND-WEDGE OPERATOR
.887-066 GLUER
.887-070 HANDLE ASSEMBLER
.887-074 HARDWARE ASSEMBLER
.887-082 LIDDER
.887-086 MILK-CRATE ASSEMBLER
.887-090 PARTITION ASSEMBLER
.887-094 PIPE BUILDER WOOD
.887-098 REEL ASSEMBLER
.887-102 ROD PLACER
.887-106 SCREEN TACKER
.887-110 SETTING-UP CLOSER
.887-114 SETTING-UP FOLDER
.887-118 SHEET TURNER
.887-122 STRAP NAILER
.887-126 THUMBER
.887-130 WIRE BENDER
.887-134 WOODENWARE ASSEMBLER
.884-010 ASSEMBLER
.884-018 BABY-CARRIAGE ASSEMBLER
.884-022 BAND EDGER
.884-026 BOX MAKER
.884-030 CABINET ASSEMBLER
.884-034 CURTAIN-STRETCHER ASSEMBLER

PLAN MILL -1- 2 L--4-- I-----
SAWMILL -1- 2 L--4-- I-----6-
WOOD BOX -1- 2 M--4-- I-----
WOOD BOX -2P 2 M-34-- I-----
WOOD BOX -1- 1 L--4-- I-----
WOOD BOX -1- 1 L--4-- I-----
VENEER / PLY H2P 2 M-34-- I-----
WOODWORKING -2P 2 M--4-- I-----
WOOD BOX -1- 2 L--4-6 I---5--
SHAPED WOOD H1- 1 L--4-- I-----
VENEER / PLY H1- 2 L-34-- I---4---
WOODWORKING -2P 2 M234-- I---67
SHAPED WOOD -3P 2 L--4-- I-----
WOODWORKING -1P 2 M--4-- I-----
SHAPED WOOD -2P 2 M-34-- I-----
WOOD BOX -1- 1 L--4-- I-----
ANY IND -1- 2 L--4-- I-----
WOOD BOX -1- 1 L--4-- I-----
WOOD BOX -1- 1 L--4-- I-----
WOOD PRESERV -1- 2 M--4-- I---5-7
WOODWORKING -2- 3 H--4-- I-----
WOOD BOX -1- 1 L--4-- I-----
PLAN MILL -2P 2 L--4-- I-----
WOOD BOX -1- 1 L--4-- I-----
WOOD BOX -1- 1 L--4-- I-----
VENEER / PLY H2P 2 M-34-6 I-----
WOOD BOX -1- 1 L--4-- I-----
WOOD BOX -1- 1 L--4-- I-----
WOOD BOX -1- 1 L--4-- I-----
SHAPED WOOD -2P 2 M-34-- I-----
WOOD BOX -2P 3 M--4-- I---5--
FURN -2P 3 L--4-- I-----
FURN -3P 4 L-34-- I-----
MORT GOODS -2P 3 M-34-- I-----
FURN -2P 3 L--4-6 I-----
SHAPED WOOD -2P 3 L--4-- I-----

762. ASSEMBLY OF WOOD PRODUCTS, N.E.C. (CONT.)

.884-054 NAILER HAND
.884-058 SCARF GLUER

ANY IND -2P 3 M-34-- I-----
VENEER / PLY -2P 4 H-34-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.687-018 BOX SQUARER

WOOD BOX -2P 2 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-058 END NAILER
.887-078 KNOCK-UP-ASSEMBLER
.884-014 ASSEMBLY OPERATOR
.884-038 DOOR ASSEMBLER
.884-042 FOLDING-WOODEN-RULE MAKER
.884-050 LEVELER
.687-010 BOX INSPECTOR
.687-014 BOX REPAIRER
.684-010 BASKET FINISHER AND INSPECTOR

WOOD BOX -2P 2 L-34-6 I---5--
WOODWORKING -2P 2 M--4-- I-----
SHAPED WOOD -2P 3 L--4-- I-----
WOODWORKING -3P 4 M--4-- I-----
SHAPED WOOD -3P 3 L--4-- I-----
SHAPED WOOD -2P 3 L--4-- I-----
WOOD BOX -2P 2 H-34-- I-----
WOOD BOX -2P 3 L--4-6 I-----
BASKETRY -3P 5 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-046 GRIP ASSEMBLER

SHAPED WOOD -3P 4 L--4-6 I-----

763. FABRICATION AND REPAIR OF FURNITURE, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BLOW-OFF WORKER
.887-014 DRAWER WAXER
.884-022 DRAWER LINER
.884-030 FLY FINISHER
.884-034 FURNITURE ASSEMBLER
.884-038 HARDWARE ASSEMBLER
.884-058 PLASTIC-TOP INSTALLER
.884-062 SUBASSEMBLER
.884-074 WOODEN-FRAME BUILDER

FURN -1- 2 L--4-- I-----
FURN -1- 2 L--4-- I-----
FURN -1P 2 L--4-- I-----
MUSICAL INST -2P 5 L--4-6 I-----
FURN -2P 4 M--4-6 I-----
FURN -2P 2 L-34-- I-----
FURN -2P 4 M--4-6 I-----
FURN -2P 2 M--4-6 I-----
MATT / BEDSP -3P 2 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-042 LAG SCREWER

FURN -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 CASE FITTER
.884-018 CHAIR CANER HAND
.884-026 FINISH PATCHER
.884-046 LAMINATOR HAND
.884-054 PLASTIC-TOP ASSEMBLER
.884-066 TABLE-TOP TILE SETTER
.884-070 WICKER WORKER

FURN -3P 3 M--4-6 I-----
FURN -3P 3 L--4-- I-----
FURN -3P 4 M-34-6 I-----
FURN -2P 3 L--4-- I-----
FURN -2P 3 M--4-6 I-----
BRICK / TILE -2P 5 L--4-6 I-----
FURN -3P 5 M--4-- I-----

Fabrication and Repair of Wood Products

PHYS.D WK COND
HRP SVP 123456 1234567

763. FABRICATION AND REPAIR OF FURNITURE, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-010 CHAIR INSPECTOR AND LEVELLER FURN -2P 4 M--4-6 I-----
.684-010 ASSEMBLY-LINE INSPECTOR FURN -2P 4 M--4-6 I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.684-014 STOCK-PARTS INSPECTOR FURN -2P 3 L-34-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-014 CHAIR CANER HAND FURN -2P 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-014 FINISHED-STOCK INSPECTOR FURN -2- 4 M-34-6 I-----

764. COOPERAGE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 AIR FILLER COOPERAGE -2- 2 L--4-- I-----
.887-014 ASSEMBLER COOPERAGE -2P 2 L--4-- I-----
.887-018 BARREL DRAINER COOPERAGE -1- 1 M-34-- I-----
.887-022 BARREL LINER HAND COOPERAGE -2P 2 M-34-- I-----
.887-026 BARREL LINER SPRAY COOPERAGE -2P 2 M-34-- I-----
.887-034 BARREL WATERER COOPERAGE -2- 1 L--4-- I-----
.887-038 BARREL-CHARRER HELPER COOPERAGE -2P 2 M--4-- I-----
.887-042 BARREL-RAISER HELPER COOPERAGE -2P 2 M--4-- I-----
.887-046 BUCKET-BOTTOM SETTER COOPERAGE -1- 2 L--4-- I-----
.887-050 BUNG DRIVER COOPERAGE -1- 1 L--4-- I-----
.887-054 BUNGHOLE REAMER COOPERAGE -1- 2 L--4-- I-----
.887-058 CHANNEL INSTALLER COOPERAGE -1- 2 M-34-- I---5--
.887-062 COOPER HELPER COOPERAGE -2P 2 M--4-- I-----
.887-066 HEADER COOPERAGE -2P 3 M--4-- I-----
.887-074 HEADING REPAIRER COOPERAGE -2P 3 L--4-- I-----
.887-078 HOGSHEAD COOPER COOPERAGE -3- 2 H-34-- I-----
.887-082 HOGSHEAD COOPER COOPERAGE -3- 2 H--4-- I---5--
.887-086 HOGSHEAD HOOPER COOPERAGE -2P 2 M--4-- I---5--
.887-090 HOOP NAILER COOPERAGE -1- 2 L--4-- I-----
.887-094 HOOP REMOVER HAND COOPERAGE -1- 1 L--4-- I-----
.887-102 LEVELER II COOPERAGE -2- 1 M-34-- I-----
.887-106 PLUGGER COOPERAGE -1- 1 L--4-- I-----
.887-110 ROUGH-BOTTOM PILER COOPERAGE -1- 2 L--4-- I-----
.884-010 BARREL BRANDER COOPERAGE -2P 2 M--4-- I-----
.884-014 BARREL CHARRER COOPERAGE -2P 4 M--4-- I-----
.884-018 BARREL RAISER COOPERAGE -2P 4 H-34-- I---5--
.884-030 SETTER-UP BUCKET COOPERAGE -2P 3 L--4-- I-----
.884-038 TUB BEVELER COOPERAGE -2P 3 L--4-- I-----
.884-046 WOODEN-HOOP MAKER COOPERAGE -2P 4 M--4-- I-34--

764. COOPERAGE (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030 BARREL MARKER	COOPERAGE	-2-	2	L--4--	I-----
.887-070 HEADING MATCHER AND ASSEMBLER	COOPERAGE	-2P	3	L--4--	I-----
.887-098 LEAK HUNTER	DISTILLED LI	-2-	2	M2-4-6	I-----
.884-026 HOGSHEAD COOPER	COOPERAGE	-2P	2	H--4--	I-----
.884-034 TANK ASSEMBLER	COOPERAGE	-3P	4	M--4--	I-----
.884-042 TUB MENDER	COOPERAGE	-2P	3	L--4-6	I-----
.687-010 BARREL INSPECTOR SLACK	COOPERAGE	-2-	2	M--4-6	I-----
.687-014 BARREL INSPECTOR TIGHT	COOPERAGE	-3-	4	M--4-6	I-----
.687-018 CULLER	COOPERAGE	-2-	4	L--4-6	I-----
.687-022 LOG INSPECTOR	SAWMILL	-2-	4	M--4-6	B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.387-010 MATERIAL INSPECTOR	COOPERAGE	-3-	5	L--4-6	B-----
-----------------------------	-----------	-----	---	--------	--------

769. FABRICATION AND REPAIR OF WOOD PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PAD TAPER	EXCELSIOR	-1-	1	L--4--	I-----
.887-018 PUTTY MIXER	WOOD BOX	-1-	1	L--4--	I-----
.887-022 SHIM SETTER	WOODWORKING	-2P	1	L--4--	I-----
.887-026 SMOKING-PIPE LINER	SMOKING PIPE	-2P	1	S--4-6	I-----
.887-030 VENEER-EDGE GLUER HAND	VENEER / PLY	-1-	2	M-34--	I-----
.884-008 BENDER HAND	WOODWORK	-2P	2	L--4--	I--45--
.884-010 JOINT GLUER VENEER	VENEER / PLY	-2P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 PAD-MACHINE OFF-BEARER	EXCELSIOR	-2-	1	S--4--	I-----7
.884-004 BENCH HAND	AMMUNITION	-2P	4	M--4--	I-----
.884-014 OIL DIPPER	SHAPED WOOD	-2P	3	M--4--	I-3---7
.884-018 REELER	WIRE WIREWOR	-2P	2	H--4--	I-----
.884-022 REPAIRER, ASSEMBLED WOOD PRODU	WOODWORKING	-3P	5	M--4-6	I---56-
.884-026 SHAKER REPAIRER	CORN PROD	-3P	2	H234--	I--4--7
.884-030 WEAVER	BASKETRY	-2P	5	L-34--	I-----
.687-010 BASKET GRADER	BASKETRY	-2-	2	H--4-6	I-----
.687-014 BOBBIN INSPECTOR	SHAPED WOOD	-1-	2	L--4--	I-----
.687-018 FINAL INSPECTOR SHUTTLE	SHAPED WOOD	-2-	4	L--4--	I-----
.687-022 INSPECTOR	WOODWORKING	-2-	3	M--4-6	I-----
.687-026 SORTER	CORK PROD	-2-	2	L--4-6	I-----
.687-030 VENEER-STOCK GRADER	BASKETRY WOO	-2-	2	L--4-6	I---5--
.684-010 CANOE INSPECTOR FINAL	SHIP / BOAT	-2-	4	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-034 WOODWORKING-SHOP HAND	WOODWORKING	-3P	2	V--4--	B-----
--------------------------------	-------------	-----	---	--------	--------

Fabrication and Repair of Wood Products

PHYS.D WK COND
HRP SVP 123456 1234567

769. FABRICATION AND REPAIR OF WOOD PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.684-014 SHUTTLE INSPECTOR

SHAPED WOOD -2- 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.587-010 WOODWORK-SALVAGE INSPECTOR

FIREARMS -3- 2 M--4-6 I-----

**FABRICATION AND REPAIR OF
SAND /GLASS GOODS (770.-779.)**

Occupations in this area are concerned with the cutting, grinding, polishing, forming, decorating, shaping, etching, frosting, and cleaning of precious and semiprecious stones, synthetic gems, diamond wire drawing dies, ornamental and structural stone, porcelain, pottery, ceramics, glass abrasives, asbestos, and various polishing products.

Occupations in this area demand all eight combinations of cognitive capabilities. About one-fourth make minimum demands, more than one-third demand only perceptual processing, and 15 percent--primarily in the jewel and jewel bearing occupations--demand all three types of cognitive capabilities. Perceptual processing demands derive primarily from matching product contours with specifications and product inspection to detect flaws. Language demands derive primarily from verbal communications although interpretation of written specifications and completion of records is important in occupations dealing with jewels, bearings, and dies. Mathematics demands largely derive from routine measurements to verify that standards are being achieved. In jewelry and timepiece occupations, tolerances may be extremely close and test measurements may be sophisticated.

Dexterity in the manipulation of parts, use of power and hand tools, and feeding of machines is commonly required. Mechanical knowledge is sometimes helpful.

Job opportunities are varied and widespread even though they are not usually in concentrations of large numbers. Career progression in parallel with growing skills has promise.

PHYS.D WK COND
HPP SVP 123456 1234567

770. FABRICATION AND REPAIR OF JEWELRY, ORNAMENTS, AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ARTIFICIAL-PEARL MAKER	JEWELRY	-2P	2	L--4-6	I-----
.887-014 ARTIFICIAL-PEARL-MAKER HELPER	JEWELRY	-2P	1	S--4--	I-----
.887-018 GAGER	JEWELRY	-2-	2	S--4--	I-----
.887-022 PULVERIZER	JEWELRY	-2P	1	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-058 TURNER MACHINE	JEWELRY	-2P	4	L--4-6	I-----
-------------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-026 SAWYER	JEWELRY	-2P	3	L--4--	I-----
.884-010 BEVELER ENDSTONE CAP	CLOCK / WATC	-2P	3	L--4-6	I-----
.884-022 JEWEL GRINDER	CLOCK / WATC	-2P	3	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-014 FACER	JEWELRY	-3P	4	L--4--	I-----
----------------	---------	-----	---	--------	--------

770. FABRICATION AND REPAIR OF JEWELRY, ORNAMENTS, AND
RELATED PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 FLAT SURFACER JEWEL	CLOCK / WATC	-2P	3	L--4-6	I-----
.884-026 JEWEL-BEARING BROACHER	JEWELRY	-3P	5	L--4-6	I-----
.884-030 JEWEL-BEARING DRILLER	JEWELRY	-3P	4	L--4--	I-----
.884-034 JEWEL-BEARING FACER	JEWELRY	-3P	4	L--4-6	I-----
.884-038 JEWEL-BEARING GRINDER	JEWELRY	-3P	4	L--4-6	I-----
.884-042 JEWEL-BEARING POLISHER	JEWELRY	-2P	4	L--4-6	I-----
.884-046 JEWEL-BEARING TURNER	JEWELRY	-2P	4	L--4-6	I-----
.884-050 JEWEL-CORNER-BRUSHING-MACHINE	CLOCK / WATC	-2P	3	L--4-6	I-----
.884-054 JEWEL-CUPPING-MACHINE OPERATOR	CLOCK / WATC	-3P	3	L--4-6	I-----
.781-014 DIAMOND-DIE POLISHER	CLOCK / WATC	-3P	5	L--4-6	I-----
.781-018 DIAMOND-DRILLER	CLOCK / WATC	-3P	5	L--4--	I-----
.781-034 OLIVING-MACHINE OPERATOR	CLOCK / WATC	-3P	5	S--4-6	I-----
.781-038 PHONOGRAPH-NEEDLE-TIP MAKER	PHONOGRAPH	-3P	5	S--4-6	I-----
.781-042 SAPPHIRE-STYLUS GRINDER	PHONOGRAPH	-2P	5	S--4--	I-----

771. STONE CUTTING AND CARVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 COPER HAND	STONEWORK	-3P	3	V--4--	I-----
.884-026 SLATE SPLITTER	STONEWORK	-2P	3	H-34-6	O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 BEVELER	STONEWORK	-2P	5	H--4-6	I-----
------------------	-----------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-018 MILLER HEAD ASSISTANT WET PROC	CORN PROD	-2P	5	H2-4--	I---567
---	-----------	-----	---	--------	---------

772. GLASS BLOWING, PRESSING, SHAPING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BREAKER SPRUES	GLASS MFG	-1-	1	M--4--	I-----
.884-030 WATCH-CRYSTAL MOLDER	GLASS PROD	-2P	4	S--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022 HOT-WIRE GLASS-TUBE CUTTER	GLASS PROD	-2P	2	L--4-6	I----6-
-------------------------------------	------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 CUTTER-DOWN	GLASS MFG	-2P	3	L--4-6	I-3----
.884-026 WARM-IN WORKER	GLASS MFG	-2P	3	L--4-6	I-3----

772. GLASS BLOWING, PRESSING, SHAPING, AND RELATED WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-014 HOT-METAL WORKER GLASS MFG -3P 2 L--4-- I----6-

773. COLORING AND DECORATING BRICK, TILE, AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 DECORATOR GLASS MFG GL -3P 2 L--4-6 I-----
.884-014 PASTER BRICK / TILE -2P 3 M--4-6 I-----
.884-018 PRINTER POTTERY / PO -2P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 COLORER BRICK / TILE -2P 3 L--4-6 I-----

774. FABRICATION AND REPAIR OF POTTERY AND PORCELAIN WARE

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BISCUIT-WARE STOPPER POTTERY / PO -2P 2 L--4-6 I-----
.887-014 POTTER ASSISTANT POTTERY / PO -2P 2 H-34-- I---5--
.884-014 DIPPER POTTERY / PO -2P 4 L--4-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 LACER STAT / ART G -2P 2 S--4-- I-----
.887-022 WARE CLEANER POTTERY / PO -2P 1 S--4-6 I-----
.884-018 FINISHER POTTERY / PO -3P 3 L--4-6 I-----
.884-022 HANDLER POTTERY / PO -2P 5 L--4-6 I--4---
.884-026 POTTER POTTERY / PO -3P 5 M--4-6 I--45--
.884-030 JOLLIER POTTERY / PO -3P 5 M--4-6 I--4--7
.884-038 SAGGER MAKER POTTERY / PO -3P 3 M-34-- I-----
.884-042 STICKER-ON STAT / ART G -2P 2 L--4-6 I-----
.884-050 WARE DRESSER POTTERY / PO -3P 4 L--4-6 I-----
.687-010 PRINT INSPECTOR POTTERY / PO -2- 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 BISQUE CLEANER POTTERY / PO -2P 4 S--4-6 I-----7
.387-010 INSPECTOR POTTERY / PO -3- 5 L--4-6 I-----

775. GRINDING, FILING, POLISHING, ETCHING, CLEANING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FINISHER STAT / ART G -2P 2 S--4-- I-----
.887-018 GLASS DRILLER GLASS MFG -1- 2 L--4-- I-----

775. GRINDING, FILING, POLISHING, ETCHING, CLEANING,
AND RELATED WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-026 MIRROR CLEANER
.887-030 MIRROR-GLASS-CUTTER HELPER
.887-038 WIPER
.884-026 GLASS CUTTER
.884-034 GLASS GRINDER
.884-058 LEVEL-VIAL MARKER
.884-078 WATCH-CRYSTAL EDGE GRINDER

MIRROR -1- 2 L--4-- I-----
MIRROR -2P 1 L--4-6 I-----
GLASS MFG -1- 2 L--4-- I-----
ANY IND -2P 4 M--4-6 I-----
GLASS MFG -2P 4 L--4-6 I-----
CUT TOOLS -1P 3 S--4-6 I-----
GLASS PROD -2P 4 S--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 GLASS CUTTER MACHINE
.887-022 GOLD BURNISHER
.887-034 STOPPER GRINDER
.884-014 EDGER, TOUCH-UP
.884-018 EDGER HAND
.884-030 GLASS FINISHER
.884-046 GLASS POLISHER
.884-050 GLASS SANDER BELT
.884-066 POLISHER
.884-070 STENCIL CUTTER
.884-074 STONE POLISHER HAND
.687-010 INSPECTOR GLASS OR MIRROR
.687-014 STOCK SHEETS CLEANER-INSPECTOR

GLASS MFG -2P 3 M--4-6 I-----
POTTERY / PO -2- 2 S--4-- I-----
GLASS MFG -2P 3 L--4-- I-----
MIRROR -2P 3 H--4-6 I-----
GLASS MFG MI -2P 2 H--4-6 I-----
GLASS PROD -3P 5 L--4-6 I-----
GLASS MFG -2P 3 M--4-6 I-----
MIRROR -3P 2 H--4-6 I-----
MIRROR -2P 4 H--4-6 I-----
GLASS PROD -2P 2 S--4-- I-----
STONEWORK -3P 4 L--4-6 I--4--7
MIRROR -2- 4 H--4-6 I-----
MIRROR -2P 4 V--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-022 GLASS CALIBRATOR
.884-042 GLASS GRINDER LABORATORY APPAR

GLASS PROD -3P 3 L--4-6 I----6-
INST / APP -3P 5 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-054 GLASS-ETCHING TECHNICIAN

INST / APP -3P 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 BEVELER

GLASS MFG MI -3P 5 H--4-6 I-----

776. FABRICATION AND REPAIR OF ASBESTOS AND POLISHING PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BELT MAKER

ABRASIVE / P -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 ABRASIVE-STONE CUTTER HAND
.884-014 GRINDING-WHEEL DRESSER
.884-018 POLISHING-WHEEL SETTER

ABRASIVE / P -2P 2 L--4-- I-----
ANY IND -2P 4 M--4-- I---5--
ANY IND -3P 2 M-34-- I-34---

776. FABRICATION AND REPAIR OF ASBESTOS AND POLISHING PRODUCTS (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.684-010 LABORATORY TECHNICIAN

ABRASIVE / P -2P 2 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-010 INSPECTOR

ASBESTOS PRO H3P 3 L--4-6 I-----7

.487-010 GRINDING-WHEEL INSPECTOR

ABRASIVE / P -3P 5 H--4-6 I-----

777. MODELMAKING, PATTERNMAKING, MOLDMAKING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 FORM MAKER PLASTER

FABRIC PLAST -3P 5 V--4-- I--4---

779. FABRICATION AND REPAIR OF SAND, STONE, CLAY,
AND GLASS PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BACKER

MIRROR -1- 2 L--4-- I-----

.887-014 BREAKER

GLASS PROD M -1P 3 M--4-6 I-----

.887-018 CARTRIDGE LOADER

ELEC EQUIP -1- 1 L--4-- I-----

.887-026 END FINDER ROVING DEPARTMENT

GLASS MFG -2P 2 L--4-6 I--5--

.887-030 END FINDER TWISTING DEPARTMENT

GLASS MFG -2P 2 L--4-6 I-----

.887-034 GLASS-BULB SILVERER

GLASS PROD -2P 2 S--4-- I-----

.887-038 TAPE-MOLD MAKER

PLASTICS MAT -2P 1 L--4-- I-----

.887-042 WAKER

GLASS PROD -1- 2 S--4-- I-----

.884-014 CONCRETE-FITTINGS MAKER

CONC PROD -3P 4 V-34-- I-----

.884-030 LEVEL-VIAL SEALER

CUT TOOLS -1P 2 S--4-6 I--6-

.884-074 STONE REPAIRER

STONWORK -3P 5 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-018 CONCRETE-PIPE MAKER

CONC PROD -3P 3 V234-- O---56-

.884-042 MIRROR SPECIALIST

MIRROR MIRRO -3P 4 H-34-- I--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-034 MICA GAGER

ELEC EQUIP M -2P 2 S--4-6 I----67

.884-038 MICA SPLITTER

MINERALS / E -2P 2 S--4-6 I----67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022 CELL ASSEMBLER

PLASTICS MAT -2P 2 M--4-6 I----6-

.884-010 BANDER HAND

GLASS MFG GL -3P 4 L--4-6 I-----

.884-026 GLASS-LINED TANK REPAIRER

MALT LIQUORS -3P 3 L-34-- I2-4--7

.884-058 PIPE FINISHER

BRICK / TILE -2P 3 M--4-- I-----

Fabrication and Repair of Sand/Glass Goods

PHYS.D WK COND
HRP SVP 123456 1234567

779. FABRICATION AND REPAIR OF SAND, STONE, CLAY,
AND GLASS PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-070 SECOND CUTTER
.687-010 DECORATING INSPECTOR

GLASS MFG H2P 4 M--4-6 I-----
GLASS MFG -2P 2 L----6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.781-010 MOSAIC WORKER
.687-014 MICA INSPECTOR

GLASS PROD S -3P 5 L--4-6 I-----
MINERALS / E -2- 3 S--4-6 I---67

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-022 FETTLER

BRICK / TILE -2P 3 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.387-010 FINAL INSPECTOR

MIRROR -3- 5 M--4-6 I-----

**FABRICATION AND REPAIR OF
TEXTILE (780.-785. & 788.-789.)**

Occupations in this area are concerned with laying out, marking, cutting, punching, hand-sewing, hand-knitting, hand-embroidering, hand-weaving, fitting, and similar activities to fabricate such mass-produced items as ready-to-wear apparel, drapes, slipcovers, sheets, pillowcases, footwear, upholstering, canvas goods, and household furnishings. Machine sewing occupations are discussed separately in groups 786. and 787.

Occupations in this area demand all eight combinations of cognitive capabilities, but 65 percent make only minimum demands. More than 20 percent of the occupations demand only perceptual processing and a substantial number demand a combination of language and perceptual processing. Perceptual processing demands derive from folding and forming two-dimensional material into three-dimensional goods and the visualization of relationships between individual pieces and the finished product--often when working on the reverse side which gives a mirror image. Language demands derive from verbal communications, including the use of specialized terminology; the reading of work specifications; and production recording. Mathematics demands derive largely from the measurement of irregularly shaped articles such as garment parts.

Dexterity in the manipulation of material and tools is commonly demanded.

Trends toward increased overseas fabrication and automated rather than manual operations both tend to suppress job opportunities in this area.

PHYS.D WK COND
HRP SVP 123456 1234567

780. UPHOLSTERING AND MATTRESS AND BEDSPRING FABRICATION AND REPAIR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BORDER MEASURER AND CUTTER	MATT / BEDSP	-1-	1	L--4--	I-----
.887-014 CLIPPER AND TURNER II	MATT / BEDSP	-1-	1	M--4--	I-----
.887-018 CUSHION CLEANER	FURN	-1-	1	M--4--	I-----
.887-022 FEATHER-CUTTING-MACHINE OPERAT	HOUSE FURN	-1-	1	M--4--	I-----
.887-026 FEEDER	HOUSE FURN	-1-	1	M--4--	I---5-7
.887-030 FILLER	HOUSE FURN	-2-	1	M--4--	I-----7
.887-034 HASSOCK MAKER	HOUSE FURN	-2P	2	M--4--	I-----
.887-038 MATTRESS STRIPPER	MATT / BEDSP	-1-	1	M-34--	I-----
.887-042 MATTRESS-SPRING ENCASER	MATT / BEDSP	-2P	2	L--4--	I-----
.887-046 POCKETED-SPRING INSERTER	AUTO MFG FUR	-1-	1	L--4--	I-----
.887-050 SPRING COVERER	FURN	-1-	2	L--4--	I-----
.887-054 STAPLER HAND	MATT / BEDSP	-2P	2	M--4--	I-----
.887-058 STUFFER	HOUSE FURN	-1-	1	L--4--	I-----
.887-062 TUFTER HAND	MATT / BEDSP	-2P	3	H--4--	I-----
.887-066 UPHOLSTERER HELPER	ANY IND	-2P	3	H--4--	I-----
.884-014 BACK Padder	FURN	-2P	2	L--4--	I-----
.884-026 BOX-SPRING TOPPER	MATT / BEDSP	-2P	3	M--4--	I-----

Fabrication and Repair of Textile

PHYS.D WK COND
HRP SVP 123456 1234567

780. UPHOLSTERING AND MATTRESS AND BEDSPRING FABRICATION AND REPAIR (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-046 CRUSHER
.884-050 CUSHION BUILDER
.884-054 CUSHION BUILDER
.884-058 CUSHION MAKER
.884-062 CUSHION MAKER II
.884-066 EDGE ROLLER
.884-078 MATTRESS MAKER
.884-082 MATTRESS-FILLING-MACHINE TENDE
.884-086 PADDER CUSHION
.884-094 PANEL MAKER
.884-098 POCKETED-SPRING ASSEMBLER
.884-102 RIMMER
.884-106 SEWING-IN OPERATOR
.884-110 SLIP-SEAT COVERER
.884-114 SPRING ASSEMBLER
.884-122 SPRINGER
.884-134 TUFTER
.884-150 UPHOLSTERY TRIMMER
.884-158 WIRE-BORDER ASSEMBLER

MORT GOODS -2P 2 L--4-- I-----
AUTO MFG -2P 2 M--4-- I-----
FURN -2P 3 L--4-- I-----
FURN -2P 3 L--4-- I--5--
FURN -2P 4 L--4-- I-----
FURN -1P 3 L--4-- I-----
MATT / BEDSP -2P 4 M--4-6 I-----
MATT / BEDSP -2P 2 M--4-- I-----
FURN -2P 3 L--4-- I-----
FURN -2P 3 L--4-- I-----
MATT / BEDSP -2P 3 L--4-- I-----
MATT / BEDSP -1P 4 L--4-- I-----
MATT / BEDSP -2P 3 L--4-- I-----
FURN -2P 3 L--4-- I-----
FURN MATT -2P 4 M--4-- I-----
FURN -2P 4 M--4-6 I-----
MATT / BEDSP -2P 4 M-34-- I-----
FURN -1- 3 L--4-- I-----
FURN MATT -2P 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-090 PANEL COVERER, METAL FURNITURE
.884-154 WEBBING TACKER

FURN. -2P 2 L--4-- I-----
FURN -2P 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-022 BOX-SPRING MAKER
.884-070 FABRICATOR FOAM RUBBER

MATT / BEDSP -2P 5 M--4-- -----
MATT / BEDSP -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-070 UPHOLSTERY CLEANER
.884-018 BAND-TOP MAKER
.884-030 CASKET COVERER
.884-034 CASKET LINER
.884-038 CHAIR UPHOLSTERER
.884-130 TESTER CONVERTIBLE SOFA BEDSPR
.884-142 UPHOLSTERY CUTTER
.884-146 UPHOLSTERY REPAIRMAN
.781-014 PAD HAND
.684-010 TRIMMING ASSEMBLER

FURN -2- 2 M-34-6 I----67
MATT / BEDSP -2P 5 L-34-- I---5--
MORT GOODS -2P 4 M--4-6 I-----
MORT GOODS -2P 4 L--4-6 I-----
FURN -2P 5 L--4-6 I-----
MATT / BEDSP -3P 4 M--4-- I-----
FURN RET TR -2P 5 L--4-6 I-----
FURN -3P 3 M--4-6 I-----
LEATHER PROD -2P 5 L--4-6 I-----
FURN -3- 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-042 COTTON DISPATCHER
.884-070 STUFFING-MACHINE OPERATOR

FURN -2- 2 L----- I-----
AUTO MFG MAT -2P 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-138 UPHOLSTERER

FURN -2P 3 M--4-6 I-----

780. UPHOLSTERING AND MATTRESS AND BEDSPRING FABRICATION AND REPAIR (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.687-018 MATTRESS INSPECTOR RUBBER GOODS -3- 2 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 AUTOMOBILE-SEAT-COVER-AND-CONV AUTO SER -3P 4 M-34-6 I-----
 .884-118 SPRING CLIPPER FURN -2P 2 L--4-- I-----
 .781-010 HEARSE UPHOLSTERER AUTO MFG -2P 5 M-34-- I-----
 .687-010 COVER INSPECTOR FURN -3- 3 L--4-6 I-----
 .687-014 INSPECTOR MATT / BEDSP -3- 4 L--4-6 I-----
 .587-010 SORTER UPHOLSTERY PARTS FURN -3P 3 L--4-- I-----

781. LAYING OUT, MARKING, CUTTING, AND PUNCHING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CLOTH TEARER GARMENT TEXT -1- 2 M--4-6 I-----
 .887-014 CUTTER HAND ANY IND -2- 2 L--4-- I-----
 .887-018 CUTTER HAND ANY IND -2P 2 M--4-- I-----
 .887-022 CUTTER HELPER ANY IND -2P 1 L--4-- I-----
 .887-026 FELT CUTTER OPTICAL GOOD -2P 2 S--4-- I-----
 .887-038 MARKER GARMENT KNIT -2- 2 L--4-- I-----
 .887-042 MARKING STITCHER GARMENT -2P 2 L--4-- I-----
 .887-046 MARKING-PRESS OPERATOR KNIT GOODS -1- 2 L-34- I-----
 .887-054 POCKET MARKER GARMENT KNIT -2P 2 L--4-- I-----
 .887-058 RIBBON CUTTER NARROW FABRI -1- 2 L--4-- I-----
 .887-062 SHOELACE-CUTTING-MACHINE OPERA NARROW FABRI -1- 2 S--4-6 I-----
 .887-066 SPREADER ANY IND -2P 2 L--4-- I-----
 .887-070 STAMPER TRIM / STAMP -2P 2 L--4-6 I-----
 .887-074 STENCILER GARMENT -2P 2 L--4-6 I-----
 .887-078 TRIMMER HAND ANY IND -1- 2 L--4-6 I-----
 .884-010 BEDSPREAD CUTTER HOUSE FURN -2P 3 M--4-6 I-----
 .884-014 BLANKET CUTTER TEXTILE -2P 3 M--4-- I-----
 .884-018 CUTTER APPRENTICE HAND ANY IND -2P 5 L--4-6 I-----
 .884-022 CUTTER HAND ANY IND -2P 3 L--4-6 I-----
 .884-030 CUTTER MACHINE ANY IND -3P 5 L-34-6 I-----
 .884-034 CUTTER ROTARY SHEAR TEXTILE -2P 2 L--4-6 I-----
 .884-038 LAY-OUT-MACHINE OPERATOR HOUSE FURN -3- 3 L--4-6 I-----
 .884-046 PERFORATOR EMBROID TRIM -2P 3 L--4-6 I---5--
 .884-054 PUNCHER GARMENT -1- 2 L--4-- I-----
 .884-058 RUG CLIPPER CARPET / RUG -2P 3 M--4-6 I-----
 .884-066 SCALLOP TRIMMER KNIT GOODS T -2P 3 S--4-- I-----
 .884-070 SKIRT-TRIMMING-MACHINE OPERATO GARMENT -3P 4 L--4-6 I-----
 .884-078 DRAPERY-HEAD FORMER RET TR -2P 2 L--4-- I--4--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-030 GOODS LAYER TEXTILE -2- 2 H-34-- I-----
 .684-014 PANTS MARKER RET TR -2- 3 L--4-6 I-----

Fabrication and Repair of Textile

PHYS.D WK COND
HRP SVP 123456 1234567

781. LAYING OUT, MARKING, CUTTING, AND PUNCHING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-050 PLEAT PATTERNMAKER

TRIM / STAMP -3- 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-050 MATCH MARKER

GARMENT -2- 2 L--4-6 I-----

.884-042 MATCH-UP CUTTER

GARMENT -2- 4 L--4-6 I-----

.884-062 SAIL CUTTER

CANVAS GOODS -3P 5 L-34-6 I-----

.884-074 SPREADER

ANY IND -3P 2 M--4-6 I-----

.884-082 TRIM-STENCIL MAKER

AUTO MFG -2P 3 L--4-- I-----

.687-010 ASSEMBLER

GARMENT GLOV -2- 4 L--4-6 I-----

.687-018 CUTTER HELPER

GLOVE / MIT -2- 2 M--4-- I-----

.687-022 DRAPER

GARMENT KNIT -3- 3 L--4-6 I-----

.687-026 GLOVE-PARTS INSPECTOR

GLOVE / MIT -3- 4 L--4-6 I-----

.687-030 LINING MATCHER

GARMENT -2- 3 M----- I-----

.684-010 CUTTING INSPECTOR

HOUSE FURN -2- 2 L--4-6 I-----

.684-018 WASTE SALVAGER

GARMENT -2- 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-034 LAY-UP WORKER

TOYS / GAMES -3- 2 M--4-- I-----

.781-010 LEATHER STAMPER

LEATHER PROD -3P 5 L--4-6 I-----

.687-014 CLOTH EXAMINER HAND

TEXTILE -3- 3 L--4-6 I-----

782. HANDSEWING, MENDING, EMBROIDERING, KNITTING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BASTING PULLER

GARMENT KNIT -1- 2 L--4-6 I-----

.887-014 BOW TIER

KNIT GOODS -1- 1 L--4-- I-----

.887-018 BUTTONER

GARMENT KNIT -1- 1 L--4-- I-----

.887-022 CLOTH-BALE HEADER

TEXTILE -1- 2 M-34-- I-----

.887-026 LAUNDRY WORKER, HAND

KNIT GOODS -1- 2 L--4-- I-----

.887-038 PULLER-THROUGH

GLOVE / MIT -1- 1 S--4-6 I-----

.887-042 RAVELER

KNIT GOODS -1- 1 S--4-- I-----

.887-046 RIPPER

TEX PROD N E -1- 2 L--4-6 I-----

.887-054 SACK REPAIRER

ANY IND -1P 2 S--4-6 I-----

.887-062 TAPE STRINGER

KNIT GOODS -1- 1 L--4-6 I-----

.887-066 THREAD MARKER

GARMENT -1- 2 L--4-- I-----

.887-070 TIPPER

KNIT GOODS -1- 2 S--4-6 I-----

.884-022 FABRIC WORKER

AIRCRAFT MFG -2P 5 M--4-- I-----

.884-026 FISH-NET STRINGER

CORD / TWINE -2P 3 L--4-- I-----

.884-034 GARMENT MENDER

KNIT GOODS -2P 3 S--4-6 I-----

.884-038 GARMENT RIPPER ALTERATIONS

RET TR -1P 2 S--4-6 I-----

.884-042 GLOVE SEWER HAND

GLOVE / MIT -1P 5 S--4-6 I-----

.884-046 HEMMER HAND

CARPET / RUG -1- 3 L--4-- I-----

.884-050 HOSIERY MENDER

HOSIERY PER -2P 3 S--4-6 I-----

.884-074 RUG MENDER

FIBER RUGS -2P 3 M-34-6 I-----

.781-010 HAT TRIMMER

CLEAN DYE -3P 5 L--4-6 I-----

782. HANDSEWING, MENDING, EMBROIDERING, KNITTING,
AND RELATED WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-034 PINNER
.887-050 RUG BRAIDER HAND
.887-058 SECONDS HANDLER
.884-010 CANVAS-COVER REPAIRER
.884-014 CROCHETER HAND
.884-030 PINNER
.884-054 KNITTER HAND
.884-058 MATCH-UP WORKER
.884-062 MENDER
.884-066 PASSEMENTERIE WORKER
.884-070 RUG HOOKER HAND
.884-078 MENDER
.884-082 SEWER HAND
.781-014 LINING FINISHER
.781-018 PATCHER
.781-026 WEAVER HAND
.687-010 PARACHUTE INSPECTOR
.687-014 SEAT-PACK INSPECTOR

EMBROID GARM -1- 2 L--4-6 I-----
FIBER RUGS -2P 2 S-34-6 I-----
KNIT GOODS -1- 2 L--4-6 I-----
ANY IND -2P 4 H--4-6 I-----
KNIT GOODS -2P 5 L--4-6 I-----
TRIM / STAMP -3P 3 L--4-- I-----
TEX PROD N E -2P 5 L--4-6 I-----
GARMENT -2- 4 L--4-6 I-----
TEXTILE -2P 4 L--4-6 I-----
TRIM / STAMP -2P 5 S--4-6 I-----
CARPET / RUG -2P 5 L--4-6 I-----
CLEAN DYE -2P 3 S--4-6 I-----
ANY IND -2P 3 L--4-6 I-----
CLEAN DYE -3P 5 S--4-6 I-----
PER SER -3P 5 S--4-6 I-----
PER SER -3P 5 S--4-6 I-----
TEX PROD N E -3- 4 L--4-6 I-----
TEX PROD N E -3- 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-030 NETTING INSPECTOR
.884-090 WEAVER HAND

CORD / TWINE -2- 3 L--4-- I-----
NARROW FABRI -3P 3 L--4-6 I-----

783. FUR WORKING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FUR RIPPER
.887-014 FUR TRIMMER
.887-018 STICKER
.884-010 FLESHER HAND
.884-022 FUR PLUCKER
.884-030 FUR STAYER

FUR GOODS -2P 3 L--4-6 I-----
FUR GOODS -1- 3 L--4-6 I-----
HAT / CAP -1- 2 L--4-6 I-----
FUR DRESSING -1P 3 L--4-6 I--4-67
FUR DRESSING -2P 4 L--4-6 I-----7
FUR GOODS -1P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 FUR BLENDER
.884-018 FUR NAILER
.884-026 FUR POINTER
.884-034 ORLON-PILE BLENDER

FUR DRESSING -2- 2 L--4-6 I-----
FUR GOODS -2P 5 L-34-- I-----
FUR DRESSING -2P 4 S--4-6 I-----
GARMENT -1- 2 L--4-6 I-----7

784. FABRICATION AND REPAIR OF HATS, CAPS, GLOVES, AND RELATED PRODUCTS

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	BEADER HAND	LEATHER PROD	-1P	2	L--4--	I-----
.887-018	BRIM RAISER	HAT / CAP	-1-	2	L--4--	I--4---
.887-022	CARROTER	HAT / CAP	-1-	2	L--4--	I-----7
.887-030	EAR-MUFF ASSEMBLER	HAT / CAP	-1-	2	L--4--	I-----
.887-034	ENDBAND CUTTER HAND	HAT / CAP	-2-	2	S--4-6	I-----
.887-042	FRAMER	HAT / CAP	-1-	2	L-34--	I-----7
.887-046	HAT LACER	HAT / CAP	-1-	2	L--4--	I-----
.887-050	LINING ATTACHER	HAT / CAP	-1-	2	L--4--	I-----
.887-054	LURER	HAT / CAP	-2P	3	L--4-6	I-----
.887-058	OPENER	HAT / CAP	-1-	2	L--4--	I-----
.887-062	OPERA-HAT-BRIM COVERER	HAT / CAP	-1-	2	L--4--	I-----
.887-070	PASTER	HAT / CAP	-2-	1	L--4--	I-----
.887-074	PASTER	HAT / CAP	-1-	2	L--4-6	I-----
.887-078	PASTER HAND OR MACHINE	LEATHER PROD	-1P	2	L-----	I-----
.887-082	POWDERER	HAT / CAP	-1-	2	L--4--	I-----
.887-086	SINGER	HAT / CAP	-1-	2	L--4--	--34---
.887-090	SIZER BELTS	LEATHER PROD	-1-	1	L--4--	I-----
.887-094	SMOKE-ROOM OPERATOR	HAT / CAP	-2-	1	M--4--	I-----7
.887-098	STRAW-HAT BRUSHER	HAT / CAP	-1-	2	L--4-6	I-----7
.887-102	STRAW-HAT-WASHER OPERATOR	HAT / CAP	-1-	1	L--4--	I-----
.887-106	WIRE INSERTER	HAT / CAP	-2-	2	L--4--	I-----
.884-010	ASSEMBLER HANDBAGS	LEATHER PROD	-2P	3	L--4-6	I-----
.884-014	BAND-AND-CUFF CUTTER	GLOVE / MIT	-2P	2	L--4--	I-----
.884-018	BRIM IRONER HAND	HAT / CAP	-2P	2	L--4-6	I-----
.884-042	FOUNDATION MAKER	HAT / CAP	-1-	2	S--4-6	I-----
.884-050	HARDENER	HAT / CAP	-2P	4	L--4-6	I--4---
.884-054	HAT BRAIDER	HAT / CAP	-2P	3	L--4-6	I-----
.884-062	OPERA-HAT TIPPER	HAT / CAP	-1-	3	L--4-6	I-----
.884-066	ROUNDER HAND	HAT / CAP	-2P	3	L--4-6	I-----
.884-070	SILK-TOP-HAT-LINING MAKER	HAT / CAP	-2P	2	L--4-6	I-----
.884-074	SIZER HAND	HAT / CAP	-2P	3	L--4-6	I--4---
.884-078	SIZER MACHINE	HAT / CAP	-2P	3	L--4--	I--45--
.884-086	TOP-HAT-LINING MAKER	HAT / CAP	-1-	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.687-022	WEIGHER	HAT / CAP	-2-	2	L--4--	I-----
----------	---------	-----------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	ASSEMBLER	HAT / CAP	-2-	3	L--4-6	I-----
.887-026	CROWN POUNCER HAND	HAT / CAP	-2-	3	L--4--	I-----
.887-038	FLOORWORKER, MILLINERY	HAT / CAP	-2-	3	L--4--	I-----
.887-066	PACKER	HAT / CAP	-3-	2	L--4-6	I-----
.884-022	CAP MAKER	HAT / CAP	-2P	5	L--4-6	I-----
.884-026	DECORATION MAKER	HAT / CAP MO	-1-	4	S--4--	I-----
.884-030	DECORATOR	HAT / CAP	-2P	5	L--4-6	I-----
.884-034	FLANGER	HAT / CAP	-2P	2	L--4--	I-----

784. FABRICATION AND REPAIR OF HATS, CAPS, GLOVES,
AND RELATED PRODUCTS (CONT.)

.884-038 STEAMER-BLOCKER	HAT / CAP KN	-2P	2	L--4-6	I-34---
.884-046 GLOVE REPAIRER	PER SER	-2P	3	S-----	I-----
.884-058 MENDER	HAT / CAP	-1-	3	S--4-6	I-----
.884-082 TOP-HAT-BODY MAKER	HAT / CAP	-2P	3	L--4-6	I-----
.884-090 TRIMMER	HAT / CAP	-2P	3	L--4-6	I-----
.781-010 HAT MAKER	HAT / CAP	-2P	5	L--4-6	I-----
.687-010 FUR SORTER	HAT / CAP	-2-	3	L--4-6	I-----
.687-014 HAT-BODY SORTER	HAT / CAP	-2-	2	L--4-6	I-----
.687-018 SHADER BUNDLER AND COUNTER	LEATHER PROD	-2-	3	L--4-6	I-----
.387-010 INSPECTOR	HAT / CAP	-3P	3	L--4-6	I-----

788. FABRICATION AND REPAIR OF FOOTWEAR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ANTISQUEAK FILLER	BOOT / SHOE	-1-	2	L--4--	I-----
.887-014 BOTTOM BLEACHER	BOOT / SHOE	-1-	2	L--4--	I-----7
.887-018 BRUSHER	BOOT / SHOE	-1-	1	L--4--	I---5--
.887-022 BUCKLER AND LACER	BOOT / SHOE	-1-	2	S--4--	I-----
.887-026 CEMENTER HAND	BOOT / SHOE	-2-	2	L--4--	I-----
.887-030 DRESSER	BOOT / SHOE	-1-	2	L--4--	I-----
.887-034 DUST BRUSHER	BOOT / SHOE	-1-	2	L--4--	I-----
.887-038 EDGE POLISHER	BOOT / SHOE	-2P	3	L--4--	I-----
.887-042 FINISHING TRIMMER	BOOT / SHOE	-1-	2	L--4--	I-----
.887-046 FLARE BREAKER	BOOT / SHOE	-1P	2	L--4--	I--4---
.887-054 GOLF-SHOE-SPIKE ASSEMBLER	BOOT / SHOE	-2P	2	L--4--	I-----
.887-058 HAMMERER TAB	BOOT / SHOE	-1-	2	L--4--	I---5--
.887-066 HEEL DIPPER	BOOT / SHOE	-1-	2	L--4--	I-----
.887-070 HEEL DIPPER INSOLE	BOOT / SHOE	-1-	2	L--4--	I-----
.887-074 INSOLE-STIFFENER AND HEEL-DIPP	BOOT / SHOE	-1-	2	L--4--	I-----
.887-082 LACER	BOOT / SHOE	-1-	2	L--4--	I-----
.887-086 LACING-STRING CUTTER	BOOT / SHOE	-1-	1	L--4--	I-----
.887-090 LAST CHALKER	BOOT / SHOE	-1-	2	L--4--	I-----
.887-094 LAST CLEANER	BOOT / SHOE	-1-	1	L--4--	I-----
.887-098 LAST PULLER HAND	BOOT / SHOE	-1-	2	L-34--	I---5--
.887-102 LAST PULLER MACHINE	BOOT / SHOE	-1-	1	L--4--	I-----
.887-106 MOLDER SHOE PARTS	BOOT / SHOE	-2P	2	L--4--	I-----
.887-110 PAINTER BOTTOM	BOOT / SHOE	-1-	2	L--4-6	I-----
.887-118 SHANK TAPER	BOOT / SHOE	-1-	2	S--4--	I-----
.887-122 SHANK-PIECE TACKER	BOOT / SHOE	-1-	2	M--4--	I-----
.887-126 SHOE CLEANER	BOOT / SHOE	-1-	2	L--4-6	I-----
.887-130 SHOE COVERER	BOOT / SHOE	-1-	2	L--4--	I-----
.887-134 SHOE TURNER	BOOT / SHOE	-2P	2	L--4--	I---5--
.887-138 SOLE SCRAPER	BOOT / SHOE	-1-	1	S--4--	I-----
.887-142 SOLE WETTER	BOOT / SHOE	-2P	2	H--4--	I--4---
.887-146 STEEL-BOX-TOE INSERTER	BOOT / SHOE	-2P	3	L--4--	I-----
.887-150 TABLE WORKER	BOOT / SHOE	-2-	2	S--4--	I-----
.887-154 TACK-PULLER HAND	BOOT / SHOE	-1-	1	L--4--	I-----
.887-166 VAMP CREASER	BOOT / SHOE	-2P	2	L--4--	I-----

788. FABRICATION AND REPAIR OF FOOTWEAR (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-170 VAMP-STRAP IRONER
 .887-174 WELT TREATER
 .887-178 WELT-BUTTER HAND
 .887-182 WHITE-SHOE RAGGER
 .887-186 WOOD-HEEL FINISHER
 .884-010 ASSEMBLER FOR PULLER-OVER HAND
 .884-014 ASSEMBLER FOR PULLER-OVER, MAC
 .884-018 ASSEMBLER SANDAL PARTS
 .884-022 BED LASTER
 .884-026 BINDING FOLDER MACHINE
 .884-034 BOOTH FOLDER
 .884-038 BOTTOM FILLER
 .884-042 BOTTOM PRESSER
 .884-046 BOTTOM WHEELER
 .884-054 BUTTONHOLE MAKER
 .884-066 CRIPPLE WORKER
 .884-074 FLAMER
 .884-078 FOLDER HAND
 .884-082 HAND SEWER SHOES
 .884-086 HEEL ATTACHER WOOD
 .884-094 INKER
 .884-098 INTERLACER
 .884-106 LASTING-MACHINE OPERATOR HAND
 .884-110 LOUIS-HEEL FITTER
 .884-122 PULLER AND LASTER MACHINE
 .884-126 PULLER-OVER MACHINE
 .884-130 RASPER
 .884-142 SCREW REMOVER
 .884-146 SLIP LASTER
 .884-158 THREAD LASTER
 .884-162 TONGUE PRESSER
 .884-166 TOP FORMER
 .884-170 TREE DRILLER
 .884-178 WRAP TURNER
 .687-010 CASER SHOE PARTS

BOOT / SHOE -2P 2 S--4-- I-----
 BOOT / SHOE -1- 2 M--4-- I--4---
 BOOT / SHOE -1- 2 L--4-- I---5--
 BOOT / SHOE -1- 2 S--4-- I-----
 BOOT / SHOE -2P 3 L--4-6 I-----
 BOOT / SHOE -2P 4 L--4-- I---5--
 BOOT / SHOE -2P 3 L--4-6 I---5--
 BOOT / SHOE -2P 2 L--4-6 I---5--
 BOOT / SHOE -2P 5 L--4-- I-----
 BOOT / SHOE -2P 4 L--4-6 I---5--
 BOOT / SHOE -2P 2 L--4-- I---5--
 BOOT / SHOE -2P 2 L--4-- I-----
 BOOT / SHOE -2P 2 L--4-- I-----
 BOOT / SHOE -2P 3 L--4-- I-----
 BOOT / SHOE -2P 3 L--4-- I-----
 BOOT / SHOE -2P 4 L--4-6 I-----
 BOOT / SHOE -1- 3 L--4-6 I---5--
 BOOT / SHOE -1P 4 S--4-6 I-----
 BOOT / SHOE -2P 4 L--4-6 I-----
 BOOT / SHOE -2P 4 L--4-- I-----
 BOOT / SHOE -1- 2 L--4-6 I-----
 BOOT / SHOE -2P 3 S--4-- I-----
 BOOT / SHOE -2P 4 L--4-- I-----
 BOOT / SHOE -2P 4 L--4-6 I-----
 BOOT / SHOE -2P 2 L--4-- I-----
 BOOT / SHOE -2P 4 L--4-6 I-----
 BOOT / SHOE -1- 2 L--4-- I-----
 BOOT / SHOE -1- 2 L--4-6 I---5--
 BOOT / SHOE -2P 4 L--4-- I-----
 BOOT / SHOE -2P 5 L--4-- I-----
 BOOT / SHOE -2P 2 L--4-- I-----
 BOOT / SHOE -2P 2 L--4-- I-----
 BOOT / SHOE -2P 5 L--4-- I---5--
 BOOT / SHOE -2P 2 L--4-- I-----
 BOOT / SHOE -2- 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-162 UPPER MULLER

BOOT / SHOE -2- 2 M--4-- I-34--7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-050 FLOORWORKER LASTING
 .887-062 HEEL BUILDER HAND
 .887-078 LABORER BOOT AND SHOE
 .887-114 SCRAP SORTER
 .884-030 BLEMISH REMOVER
 .884-050 BOW MAKER
 .884-062 CRIPPLE CUTTER
 .884-070 FINGER COBBLER

BOOT / SHOE -2- 3 L--4-- I---5--
 BOOT / SHOE -2- 3 L--4-6 I---5--
 BOOT / SHOE -2- 2 M-34-- I---5--
 BOOT / SHOE -2- 2 L--4-- I-----
 BOOT / SHOE -2- 4 L--4-6 I-----
 BOOT / SHOE -2- 4 L--4-- I-----
 BOOT / SHOE -2- 5 M-34-6 I-----
 BOOT / SHOE -2- 5 S--4-6 I-----

788. FABRICATION AND REPAIR OF FOOTWEAR (CONT.)

.884-090 HEEL-SEAT FITTER HAND	BOOT / SHOE	-2P	5	L--4--	I-----
.884-114 MARKER HAND	BOOT / SHOE	-2-	2	L--4-6	I---5--
.884-134 ROTARY CUTTER	BOOT / SHOE	-2P	3	L--4--	I-----
.884-174 UPPER-AND-BOTTOM LACER HAND	BOOT / SHOE	-2-	3	I--4--	I-----
.884-182 WRINKLE CHASER	BOOT / SHOE	-2-	2	L--4-6	I---5--
.687-026 SHANK INSPECTOR	BOOT / SHOE	-2-	2	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.587-010 JOB PUTTER-UP AND TICKET PREPA	BOOT / SHOE	-2-	3	M-34--	I-----
---	-------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-158 TRIMMER HAND	BOOT / SHOE	-2-	2	L--4--	I-----
.687-018 ODD-SHOE EXAMINER	BOOT / SHOE	H3-	4	L--45-	I-----
.687-022 PARTS-CHECKER AND DISTRIBUTOR	BOOT / SHOE	-2-	3	L--4-6	I-----
.584-010 SOLE SORTER	BOOT / SHOE	-3-	4	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.687-014 COLOR MATCHER	BOOT / SHOE	-2-	4	S--4-6	I-----
------------------------	-------------	-----	---	--------	--------

789. FABRICATION AND REPAIR OF TEXTILE, LEATHER, AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 BAG LINER	TEX BAG	-1-	2	L--4--	I-----
.887-018 BEATER	HOUSE FURN	-1-	1	M--4--	I-----
.887-022 BOBBIN CLEANER HAND	ANY IND	-2-	2	M--4--	I-----
.887-026 BOBBIN MARKER AND POLISHER	TEXTILE	-2-	2	M--4-6	I-----
.887-030 BOBBIN WINDER HAND	HOISERY KNIT	-2P	2	L--4--	I-----
.887-034 BONER	GARMENT	-1-	1	L--4--	I-----
.887-038 BRUSHER	GLOVE / MIT	-1-	2	L--4--	I-----
.887-046 CLIPPER	ANY IND	-2-	1	L--4--	I-----
.887-050 COLLAR MOLDER	GARMENT	-1-	2	L--4--	I-----
.887-054 CUFF TURNER	HOSIERY	-2-	1	L--4--	I-----
.887-058 FINAL ASSEMBLER	GARMENT	-2P	2	L--4--	I-----
.887-062 FLOCKER	TEX PROD N E	-2P	2	L--4--	I---5--
.887-066 FOLDER	TEX BAG	-1-	2	L--4--	I-----
.887-070 FRINGER	HOUSE FURN	-1-	2	L--4-6	I-----
.887-074 FRONT NOTCHER	KNIT GOODS	-1-	3	L--4-6	I-----
.887-078 GARMENT FOLDER	GARMENT KNIT	-1-	2	L-34--	I-----
.887-082 GARMENT TURNER	GARMENT KNIT	-2-	2	L--4--	I-----
.887-086 GARTER INSERTER	KNIT GOODS	-1-	2	L--4--	I-----
.887-090 GLOVE TURNER	GLOVE / MIT	-2P	2	L--4--	I-----
.887-094 HANDLE ATTACHER	LEATHER PROD	-1-	1	L--4--	I-----
.887-098 HANDLE MAKER	LEATHER PROD	-2P	1	S--4--	I-----
.887-102 HARNESS RIGGER	TEX PROD N E	-2P	2	L--4-6	I-----
.887-110 LACER	GARMENT	-1-	1	L--4-6	I-----

Fabrication and Repair of Textile

PHYS.D WK COND
HRP SVP 123456 1234567789. FABRICATION AND REPAIR OF TEXTILE, LEATHER,
AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-114 LINER
.887-118 MIXER
.887-126 MOP TIER
.887-130 MOPHEAD-TRIMMER-AND-WRAPPER
.887-134 PAIRER
.887-138 PARACHUTE MARKER
.887-142 PARACHUTE-LINE TIER
.887-146 PILLOW CLEANER
.887-154 QUILT STUFFER
.887-158 REMNANTS CUTTER
.887-162 REVERSER
.887-166 RIVETER HAND
.887-178 SEAM STEAMER
.887-182 STEAMER
.887-186 STRAPPER
.887-190 TAPER
.887-194 TASSELER
.887-198 THREAD SEPARATOR
.887-202 TIE PRESSER
.887-206 TRIMMER
.887-210 TURNER
.887-218 VENT-TAPE PINNER
.887-222 WATERPROOFER OILSKINS
.884-026 CASE MAKER
.884-030 CEMENTER
.884-034 FINISHER HAND
.884-038 FRAME BANDER
.884-042 FRAME COVERER
.884-046 HAIR CLIPPER POWER
.884-050 LEAF STAMPER
.884-058 MOLDER SHOULDER PAD
.884-062 NET MAKER
.884-074 PARACHUTE MENDER
.884-078 RIGGER
.884-082 TRIMMING-MACHINE OPERATOR
.884-086 TUBER
.887-054 REMNANT SORTER

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-018 BUFFING-WHEEL FORMER HAND
.884-070 PARACHUTE FOLDER

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-038 MONOGRAM-AND-LETTER PASTER

GLOVE / MIT -2P 2 L-4-- I-----
WASTE / BATT -2- 2 M-34-- I-----
HOUSE FURN -1- 1 L-4-- I-----
HOUSE FURN -2- 2 L-34-- I-----
HOUSE FURN H1- 1 L-4-- I-----
TEX PROD N E -1- 2 L-4-6 I-----
TEX PROD N E -2P 2 L-4-6 I-----
HOUSE FURN -1- 1 L-4-- I-----
HOUSE FURN -2P 2 L-4-- I-----
TEXTILE -1- 1 S-4-6 I-----
HOUSE FURN H1- 1 L-4-- I-----
GARMENT -2P 2 L-4-6 I-----
KNIT GOODS -1- 1 L-4-- I-----
TRIM / STAMP -1- 2 M-4-- I-34---
GARMENT -2P 2 L-4-- I-----
HOUSE FURN -1- 1 S-4-- I-----
NARROW FABRI -1- 2 S-4-- I-----
TEX PROD N E -2- 1 S-4-- I-----
KNIT GOODS -2P 2 L-4-- I-----
FIBER RUGS -1- 1 M-4-6 I-----
ANY IND -2P 2 L-4-- I---5---
TEX PROD N E -1- 2 L-4-6 I-----
GARMENT -1- 2 L-4-- I-4---
LEATHER PROD -2P 3 L-4-6 I-----
GARMENT -2P 3 L-4-6 I-----
CANVAS GOODS -2P 5 L-4-6 I-----
TEXTILE -2P 3 L-34-- I---5---
LEATHER PROD -2P 2 S-4-6 I-----
FUR DRESSING -1- 2 L-4-6 I-4---7
JEWELRY CASE -2P 2 S-4-6 I-----
TRIM / STAMP -2P 2 L-4-- I-----
CORD / TWINE -3P 3 L-4-6 I-----
TEX PROD N E -2P 3 L-4-6 I-----
CANVAS GOODS -3P 4 M-34-- I-----
ANY IND -2P 3 L-4-- I-----
LEATHER PROD -2P 2 M-4-- I-----
TEXTILE -1- 2 L-4-- I-----

TEX PROD N E -2P 2 M-4-- I-----
TEX PROD N E -3P 4 L-4-6 I-----

TEX PROD N E -2- 2 L-4-6 I---5---

789. FABRICATION AND REPAIR OF TEXTILE, LEATHER,
AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 BAG CUTTER
.887-070 RUG-INSPECTOR HELPER
.887-150 PLEAT TAPER
.887-214 VEIL DOTTER
.887-226 WET-FABRIC-CONVEYOR ATTENDANT
.884-014 BOW MAKER
.687-018 CUTTING INSPECTOR
.687-038 GARMENT-ALTERATION EXAMINER
.687-042 GLOVE PAIRER
.687-050 REDYE HAND
.687-058 SECONDS INSPECTOR
.687-062 SORTER

TEX BAG -2- 2 M-34-- I-----
FIBER RUGS -2P 3 M-3456 I---5--
TRIM / STAMP -2- 2 L-34-- I-----
TRIM / STAMP -2- 2 S--4-- I-----
KNIT GOODS -1- 2 M--4-6 I-----
ANY IND -2P 4 L--4-- I-----
GARMENT -2- 3 L--4-6 I-----
RET TR -2- 4 L--4-6 I-----
GLOVE / MIT -2- 2 L--4-- I-----
HOSIERY -2- 4 L--4-- I-----
GARMENT KNIT -2- 3 L--4-6 I-----
TEX PROD N E -2- 2 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-042 BUFFING-TURNER-AND COUNTER

TEX PROD N E -2P 2 S--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-174 SAMPLE CLERK
.884-022 CANOPY STRINGER
.884-066 ORNAMENT SETTER
.687-014 CLOTH-STOCK SORTER
.687-026 FINISHER
.687-030 GARMENT EXAMINER
.687-034 GARMENT INSPECTOR
.687-046 HIDE INSPECTOR
.684-010 INSPECTOR
.587-010 BOXING INSPECTOR
.387-014 SAMPLE INSPECTOR

TEXTILE -2- 3 L--4-6 I-----
TEX PROD N E H2P 4 L--4-6 I-----
GARMENT TRIM -2P 3 L--4-6 I---5--
TEXTILE -2- 2 H-34-- I-----
EMBROID TRIM -2- 2 L--4-6 I-----
GARMENT RET -3- 4 L--4-6 I-----
GARMENT KNIT -3- 3 L--4-6 I-----
LEATHER MFG -2- 4 M--4-6 I-----7
LEATHER PROD -2- 4 S--4-6 I-----
GARMENT KNIT -2- 3 L--4-6 I-----
TEX PROD N E -2- 4 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010 BOARD MAKER
.685-010 INSPECTOR TRIMMING MATERIAL
.387-010 LEATHER GRADER

KNIT GOODS -3P 5 L--4-6 I-----
GARMENT -2P 2 L--4-6 I-----
GARMENT GLOV -2- 5 H--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-106 LABORER CANVAS SHOP
.687-010 BUFFING-WHEEL INSPECTOR
.687-022 EXAMINER
.587-014 INSPECTOR

CANVAS GOODS -2P 2 M--4-6 I-----
TEX PROD N E -2- 2 S--4-6 I-----
GLOVE / MIT -2- 3 L--4-6 I-----
CARPET / RUG H3- 2 L--4-6 I-----

MACHINE SEWING OF GARMENTS AND NONGARMENTS (786.-787.)

Occupations in this area are concerned with the machine sewing of textiles, leather, fur to produce garment and nongarment products. Nongarments include quilts, drapes, gloves and mittens, sporting goods, lamp shades, shoes, carpeting, umbrellas, and upholstery.

More than 80 percent of the occupations in this area demand only minimum cognitive capabilities. Substantial numbers demand only perceptual processing or a combination of language and perceptual processing. Perceptual processing demands derive largely from visualizing the relationship of component pieces to each other. The required skill level varies with the complexity of the product and the frequency with which products and patterns change. Many of the automatic machine sewing occupations are involved in the mass production of a particular product, such as pillowcases, where the dimensions and other factors rarely change. In the garment industry, however, pattern and sewing techniques may change rather frequently and require higher levels of perceptual processing to grasp quickly the new relationships. Language demands usually involve verbal communications, although a few occupations may require the reading of specifications and preparation of simple production records. Mathematics demands seldom exceed the need to count or to interpret machine settings.

Psychomotor skills are important to effective machine control. Even with automatic machines, quick response to tears, wrinkles, irregular stitching, improper folds, and similar defects is important to prevent jamming and waste of material.

Foreign competition is stiff in this area and automatic control of increasingly complex operations and shorter product runs is a continuing trend. Opportunities tend to be concentrated in relatively few urban areas and career progression is usually quite limited.

PHYS.D WK COND
HRP SVP 123456 1234567

786. MACHINE SEWING, GARMENT

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 BUTTONHOLE-MACHINE OPERATOR	GARMENT	-2P 3 L--4-6 I---5--
.885-014 CIRCULAR-STITCH OPERATOR	GARMENT	-2P 2 L--4-6 I-----
.885-018 EMBROIDERY-MACHINE OPERATOR	GARMENT	-2P 2 L--4-6 I-----
.885-022 EYELET-MACHINE OPERATOR	GARMENT	-2P 3 L--4-6 I---5--
.885-026 FASTENER-SEWING-MACHINE OPERAT	GARMENT	-2P 3 L--4-6 I---5--
.885-030 GIMP-BUTTONHOLE-MACHINE OPERAT	GARMENT	-2P 3 L--4-6 I---5--
.885-034 SEWING MACHINE OPERATOR SPECIA	GARMENT	-2P 3 L--4-6 I-----
.885-038 SLIP-STITCH-MACHINE OPERATOR	GARMENT	-2P 3 L--4-6 I-----
.885-042 TACKING-MACHINE OPERATOR	GARMENT	-2P 3 L--4-6 I-----
.885-046 TAILORED-BUTTONHOLE-MACHINE OP	GARMENT	-2P 3 L--4-6 I---5--
.782-010 ARMHOLE RAISER	GARMENT	-2P 4 L--4-6 I---5--
.782-014 BELT MAKER	GARMENT	-2P 4 L--4-6 I---5--
.782-018 BINDER	GARMENT	-2P 4 L--4-6 I-----

786. MACHINE SEWING, GARMENT (CONT.)

.782-030	FACOTING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-034	FAGOTING-MACHINE OPERATOR II	GARMENT	-2P	4	L--4-6	I---5--
.782-038	FELLER MACHINE	GARMENT	-2P	4	L--4-6	I---5--
.782-042	FUR-JOINER OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-046	GATHERING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-050	HEMMER	GARMENT	-2P	4	L--4--	I-----
.782-054	HEMSTITCHING-MACHINE-OPERATOR	GARMENT	-2P	4	L--4-6	I-----
.782-058	INSERTER	GARMENT	-2P	4	L--4-6	I---5--
.782-066	PATCHER	GARMENT	-2P	4	L--4-6	I-----
.782-070	PIPING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I-----
.782-074	PLEAT SEWER	GARMENT	-2P	4	L--4-6	I---5--
.782-078	SCALLOPER	GARMENT	-2P	4	L--4-6	I---5--
.782-082	SETTER, GARMENT PARTS	GARMENT	-2P	4	L--4-6	I-----
.782-086	SEWING-MACHINE OPERATOR	RET TR	-2P	4	L--4-6	I---5--
.782-094	SHELL-STITCH-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-098	SHIRRING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-102	STRAP-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I-----
.782-106	STRIP SEWER	GARMENT	-2P	4	L--4-6	I-----
.782-110	TAPING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-114	TOP STITCHER	GARMENT	-2P	4	L--4-6	I-----
.782-118	TUCKING-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I---5--
.782-122	TUFT-MACHINE OPERATOR	GARMENT	-2P	4	L--4-6	I-----
.782-126	ZIPPER SEWER	GARMENT	-2P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-022	EDGER	GARMENT	-2P	4	L--4-6	I-----
----------	-------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-026	ELASTIC ATTACHER	GARMENT	-2P	4	L--4-6	I-----
.782-062	MATCH-UP SEWER	GARMENT	-2P	4	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-090	SEWING-MACHINE OPERATOR REGULA	GARMENT	-3P	4	L--4-6	I-----
----------	--------------------------------	---------	-----	---	--------	--------

787. MACHINE SEWING, NONGARMENT

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	EMBROIDERY-MACHINE-OPERATOR HE	ANY IND	-2P	2	L--4--	I-----
.885-014	BRIM STITCHER	HAT / CAP	-2P	2	L--4-6	I-----
.885-018	BUTTONHOLE-MACHINE OPERATOR	ANY IND	-2P	3	L--4-6	I---5--
.885-022	CORDEDGE-MACHINE OPERATOR	TRIM / STAMP	-2P	2	L--4--	I---5--
.885-026	EMBROIDERY-MACHINE OPERATOR	KNIT GOODS	-2P	2	L--4-6	I-----
.885-030	FASTENER-SEWING-MACHINE OPERAT	ANY IND	-2P	3	L--4-6	I---5--
.885-034	FASTENER-SEWING-MACHINE OPERAT	NEEDLE PIN	-2P	2	L--4--	I-----
.885-038	GANG OPERATOR	FABRIC PLAST	-2P	3	L--4-6	I-----
.885-042	HEMMING-AND-TACKING-MACHINE OP	MATT / BEDSP	-2P	2	L--4--	I-----

Machine Sewing of Garments and Nongarments

PHYS.D WK COND
HRP SVP 123456 1234567

787. MACHINE SEWING, NONGARMENT (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-054 PLEATER
 .885-058 QUILTING-MACHINE OPERATOR
 .885-066 RING ATTACHER
 .885-070 SERGING-MACHINE OPERATOR AUTOM
 .885-082 SEWING-MACHINE OPERATOR SEACIA
 .885-090 SHEET CUTTER
 .885-094 SHIRTING-MACHINE OPERATOR, AUT
 .885-098 STRAP-MACHINE OPERATOR AUTOMAT
 .885-102 TACKER
 .885-106 TACKING-MACHINE OPERATOR
 .885-110 TRIMMING SEWER AUTOMATIC
 .885-114 TUFTING-MACHINE OPERATOR
 .885-118 TUFTING-MACHINE OPERATOR
 .782-010 ASBESTOS-CLOTH SEWER
 .782-018 BIAS-CLOTH RUFFLER
 .782-022 BINDER
 .782-026 BINDING-END STITCHER
 .782-030 BRIM STITCHER
 .782-034 BRIM-WELT-SEWING-MACHINE OPERA
 .782-038 BUCKRAM SEWER
 .782-042 CAP SIZER
 .782-050 CHIN-STRAP SEWER
 .782-054 CLAM MAKER
 .782-058 CLOCK-MACHINE OPERATOR
 .782-062 CLOSER
 .782-070 CORE-COVERING SEWER
 .782-078 DARNING-MACHINE OPERATOR
 .782-082 DOLL WIG MAKER
 .782-086 DRAPERY OPERATOR
 .782-090 EDGER
 .782-094 ELASTIC SEWER
 .782-098 EMBROIDERING-MACHINE OPERATOR
 .782-102 EMBROIDERY SEWER
 .782-110 END-TO-END SEWER
 .782-122 FINGER-BUFF SEWER
 .782-126 FINGERER
 .782-130 FLOWER-MACHINE OPERATOR
 .782-134 FRINGER
 .782-138 FUR-MACHINE OPERATOR
 .782-146 HANDLE SEWER
 .782-150 HARNESS-MACHINE OPERATOR
 .782-154 HEMMER
 .782-158 HEMSTITCHING-MACHINE OPERATOR
 .782-162 KNUCKLE-STRAP SEWER
 .782-166 LEATHER FITTER
 .782-170 MENDER
 .782-174 MENDER
 .782-178 MENDER
 .782-184 PALM-AND-BACK FORGER
 .782-186 PUFFING-MACHINE OPERATOR
 .782-190 REEDING-MACHINE OPERATOR

HOUSE FURN -2P 3 L--4-6 I-----
 HOUSE FURN M -2P 2 L--4-6 I-----
 HOUSE FURN -2P 3 L--4-6 I-----
 ANY INO -2P 3 L--4-6 I-----
 ANY IND -2P 3 L--4-6 I-----
 TEX BAC -2P 2 L--4-- I-----
 HOUSE FURN. -2P 2 L--4-6 I-----
 GARMENT HOUS -2P 3 L--4-6 I-----
 ELEC EQUIP -2P 2 L--4-6 I-----
 ANY IND -2P 3 L--4-6 I--5--
 TRIM / STAMP -2P 3 L--4-6 I-----
 CARPET / RUG -2P 3 H--4-6 I-----
 MATT / BEDSP -2P 3 M--4-- I-----
 ASBESTOS PRO -2P 4 L--4-- I-----
 TEX PROD N E -2P 4 L--4-6 I-----
 FLY IND -2P 4 L--4-6 I-----
 FIBER RUGS -2P 4 L--4-6 I-----
 HAT / CAP -2P 4 L--4-6 I-----
 HAT / CAP -2P 4 L--4-6 I-----
 HOUSE FURN. -2P 4 L--4-6 I-----
 HAT / CAP -2P 4 L--4-6 I-----
 HAT / CAP -2P 4 L--4-6 I-----
 ARTIF FLOWER -2P 4 L--4-6 I-----
 HOSIERY -2P 4 L--4-- I-----
 GLOVE / MIT -2P 4 L--4-6 I-----
 TEX PROD N E -2P 4 L--4-6 I-----
 HOSIERY LAUN -2P 4 S--4-- I--56-
 HAIRWORK -2P 5 S--4-6 I-----
 RET TR -2P 4 L--4-6 I-----
 GLOVE / MIT -2P 4 L--4-6 I-----
 HOUSE FURN -2P 4 L--4-6 I-----
 MORT GOODS -2P 4 L--4-6 I-----
 TEXTILE -2P 4 L--4-6 I-----
 NARROW FABIC -2P 4 M-34-- I-----
 TEX PROD N E -2P 4 L--4-6 I-----
 GLOVE / MIT -2P 4 L--4-6 I-----
 HOUSE FURN -2P 4 L--4-6 I-----
 HOUSE FURN -2P 4 L--4-6 I-----
 FUR GOODS HA -2P 4 L--4-6 I-----
 LEATHER PROD -2P 4 L--4-6 I-----
 LEATHER PROD -2P 4 L--4-6 I-----
 ANY IND -2P 4 L--4-6 I-----
 TEXTILE / ST -2P 4 S--4-6 I-----
 GLOVE / MIT -2P 4 L--4-6 I-----
 HAT / CAP -2P 4 L--4-6 I-----
 HOUSE FURN -2P 4 L--4-6 I-----
 TRIM. / STAM -2P 4 L--4-6 I-----
 CARPET / RUG -2P 4 L--4-6 I-----
 GLOVE / MIT -2P 4 L--4-6 I-----
 ANY IND. -2P 4 S--4-6 I-----
 HAT / CAP -2P 4 L--4-6 I-----

787. MACHINE SEWING, NONGARMENT (CONT.)

.782-194 ROLL-EDGE-MACHINE OPERATOR	MATT / BEDSP	-2P	4	M--4-6	I-----
.782-198 RUFFLER	HOUSE FURN	-2P	4	L--4-6	I-----
.782-200 RUFFLER	TRIM / STAMP	-2P	4	L--4-6	I-----
.782-202 SAIL FINISHER MACHINE	CANVAS GOODS	-2P	4	L--4-6	I-----
.782-218 SEAMER ELASTIC BAND	HOISERY	-2P	4	L--4-6	I-----
.782-222 SEWING-MACHINE OPERATOR	AUTO MFG	-2P	4	L--4-6	I-----
.782-226 SEWING-MACHINE OPERATOR	ELEC. EQUIP.	-2P	4	L--4-6	I-----
.782-230 SEWING-MACHINE OPERATOR	EMBROID.	-2P	4	L--4-6	I---5--
.782-234 SEWING-MACHINE OPERATOR	FABRIC. PROD	-2P	4	L--4-6	I-----
.782-238 SEWING-MACHINE OPERATOR	FELT GOODS	-2P	4	L--4-6	I-----
.782-242 SEWING-MACHINE OPERATOR	FURN.	-2P	4	L--4-6	I-----
.782-246 SEWING-MACHINE OPERATOR	HAT / CAP	-2P	4	L--4-6	I-----
.782-250 SEWING-MACHINE OPERATOR	HOUSE FURN.	-2P	4	L--4-6	I-----
.782-254 SEWING-MACHINE OPERATOR	LEATHER PROD	-2P	4	L--4-6	I-----
.782-258 SEWING-MACHINE OPERATOR	MATT. / BEDS	-2P	4	L--4-6	I-----
.782-262 SEWING-MACHINE OPERATOR	MORT. GOODS	-2P	4	L--4-6	I-----
.782-266 SEWING-MACHINE OPERATOR	TEX. BAG	-2P	4	L--4-6	I-----
.782-270 SEWING-MACHINE OPERATOR	TEX. PROD.,	-2P	4	L--4-6	I-----
.782-274 SEWING-MACHINE OPERATOR	TEXTILE	-2P	4	L--4-6	I-----
.782-278 SEWING-MACHINE OPERATOR	TOYS / GAMES	-2P	4	L--4-6	I-----
.782-282 SEWING-MACHINE OPERATOR	TRIM. / STAM	-2P	4	L--4-6	I-----
.782-286 SEWING-MACHINE OPERATOR	CANVAS GIP	-2P	4	L--4-6	I-----
.782-302 SHIRTING-MACHINE OPERATOR	HAT / CAP	-2P	4	L--4-6	I-----
.782-306 SLIP-COVER SEWER	HOUSE FURN	-2P	4	L--4-6	I-----
.782-310 SPLICING-MACHINE OPERATOR	TEXTILE	-2P	4	L--4--	I-----
.782-322 TACKER	TEXTILE	-2P	4	M--4--	I-----
.782-326 TACKER ELASTIC BAND	HOSIERY	-2P	4	L--4-6	I-----
.782-330 TAPE-EDGE-MACHINE OPERATOR	MATT / BEDSP	-2P	4	M--4-6	I-----
.782-334 TAPING-MACHINE OPERATOR	CARPET / RUG	-2P	4	L--4-6	I-----
.782-338 THUMB SEWER	GLOVE / MIT	-2P	4	L--4-6	I-----
.782-342 TOE SEWER	HOSIERY	-2P	4	L--4-6	I-----
.782-346 TOP SEWER	HOSIERY	-2P	4	L--4-6	I-----
.782-350 TOP STITCHER	HAT / CAP	-2P	4	L--4-6	I-----
.782-354 TRUSS MAKER	SURGICAL APP	-2P	4	L--4-6	I-----
.782-358 TUCKING-MACHINE OPERATOR	HAT / CAP	-2P	4	L--4-6	I-----
.782-362 TUFT-MACHINE OPERATOR	CARPET / RUG	-2P	4	L--4-6	I-----
.782-366 UMBRELLA SEWER	UMBRELLA	-2P	4	L--4-6	I-----
.782-370 WINDOW-SHADE-CLOTH SEWER	WINDOW SHADE	-2P	4	L--4-6	I-----
.782-374 WIRE-MACHINE OPERATOR	HAT / CAP	-2P	4	L--4-6	I-----
.782-378 WIRE-STITCHING-MACHINE OPERATO	BUTTON	-2P	4	L--4--	I-----
.782-382 WRIST CLOSER	GLOVE / MIT	-2P	4	L--4-6	I-----
.782-386 WRISTER	GLOVE / MIT	-2P	4	L--4-6	I-----
.782-390 ZIPPER SETTER	FURN HOUSE F	-2P	4	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-066 CLOSER	TOYS / GAMES	-2P	4	L--4-6	I-----
.782-214 SEAMER	HOSIERY	-2P	4	L--4-6	I-----

787. MACHINE SEWING, NONGARMENT (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 BAG-MAKING-MACHINE TENDER	TEX BAG	-3P	2	L--4--	I---5--
.885-046 NEEDLE-CONTROL CHENILLER	HOUSE FURN	-2P	3	H--4-6	I-----
.885-062 QUILTING-MACHINE OPERATOR	GLOVE / MIT	-3P	4	M-34-6	I-----
.885-074 SEWER-AND-CUTTER FINGER-BUFF M	TEX PROD N E	-2P	2	L--4-6	I-----
.885-086 SEWING-MACHINE OPERATOR ZIPPER	NEEDLE PIN	-3P	2	L--4-6	I-----
.782-014 BAG-AND-SACK SEWER	TEX. BAG	-2P	4	L--4-6	I-----
.782-074 CUSHION CLOSER	FURN HOUSE F	-2P	4	L--4-6	I-----
.782-114 EXAMINER MENDER	TEX PROD N E	-2P	4	L--4-6	I-----
.782-118 FILTER-CLOTH MAKER	TEX PROD N E	-2P	4	L--4-6	I-----
.782-142 GLOVE SEWER	GLOVE / MIT	-2P	4	L--4-6	I-----
.782-182 MENDER	EMBROID	-2P	4	S--4-6	I-----
.782-206 SAMPLE MENDER	EMBROID	-2P	5	S--456	I-----
.782-314 STITCHER	RUBBER GOODS	-2P	4	L--4-6	I---5--
.782-318 STRAW-HAT-MACHINE OPERATOR	HAT / CAP	-2P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-050 PILLOWCASE SEWER AUTOMATIC	TEXTILE	-3P	4	L--4--	I-----
.782-098 EMBROIDERY-MACHINE OPERATOR	ANY IND.	-3P	4	S--4-6	I-- --
.782-210 SAMPLE PROCESSOR	FIBER RUGS	-2P	5	L--4-6	I-----
.782-290 SEWING-MACHINE OPERATOR ALL AR	ANY IND	H3P	5	L--4-6	I-----
.782-294 SEWING-MACHINE OPERATOR REGULA	ANY IND	-3P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-078 SEWING-MACHINE OPERATOR AUTOMA	ANY IND	-3P	2	H--4--	I-----
---	---------	-----	---	--------	--------

**BENCH WORK NOT ELSEWHERE
CLASSIFIED (790.-799.)**

Occupations in this area are concerned primarily with the preparation of food and tobacco products and the fabrication of paper products.

Almost half of these occupations make minimum cognitive demands and another 40 percent demand only perceptual processing. Perceptual processing demands derive largely from the inspection of products for firmness, uniformity of texture, and similar characteristics. A large number of the occupations in paper goods have a requirement for dealing with the relationships between planes and solid objects--as would be applicable to folding, assembling, and fitting together cardboard blanks to form cartons. Verbal communication is the principal source of language demands with occasional demands for the completion of simple production records. Mathematics demands are generally limited to weighing and verifying product dimensions.

Many of the occupations in this area demand manual dexterity in performing with speed and accuracy, as in turning over and creasing the free ends of paper rolls as they emerge from a machine.

There are continuing trends toward automation, but machine tending and incidental responsibilities remain. Career progression tends to be quite limited.

PHYS.D WK COND
HRP SVP 123456 1234567

790. PREPARATION OF FOOD, TOBACCO, AND RELATED PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CANDY CUTTER HAND	CONFECTION	-1-	2	L--4--	I-----
.887-014 CHICKEN CUTTER	SLAUGHT / ME	-2P	2	L--4--	I--4-6-
.887-018 MOLD PRESSER	TOBACCO	-2P	2	M--4--	I-----
.887-022 PLUG TAGGER	TOBACCO	-1-	2	L--4--	I-----
.887-034 TABLE HAND	TOBACCO	-1-	2	L--4--	I-----
.887-038 TWISTER HAND	TOBACCO	-2P	2	L--4--	I-----
.884-010 BUNCH MAKER HAND	TOBACCO	-2P	2	S--4--	I-----
.884-014 CIGAR MAKER	TOBACCO	-2P	5	L--4-6	I-----
.884-018 GUM PACKER	TOBACCO	-2P	2	H--4--	I-----
.884-026 ROLLER HAND	TOBACCO	-2P	4	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-030 ROLLER HAND	TOBACCO	-2P	2	S--4-6	I-----
----------------------	---------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-026 REJECT OPENER	TOBACCO	-2-	2	L--4--	I-----
.884-022 PATCH WORKER	TOBACCO	-2P	3	L--4-6	I-----
.687-010 CATCHER FILTER TIP	TOBACCO	-2-	2	L--4-6	I-----
.687-018 CIGAR PACKER	TOBACCO	-2-	3	L--4--	I-----

Bench Work Not Elsewhere Classified

PHYS.D WK COND
HRP SVP 123456 1234567

790. PREPARATION OF FOOD, TOBACCO, AND RELATED PRODUCTS, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.687-022 CIGARETTE-MAKING-MACHINE CATCH	TOBACCO	-3-	2	S--4-6	I-----
.687-030 FRESH-WORK INSPECTOR	TOBACCO	-2-	3	L--4-6	I-----
.687-034 INSPECTOR	CONFECTION	-2-	4	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.587-010 BOTTLE GAGER	DISTILLED LI	-3-	3	L--4-6	I---5--
-----------------------	--------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.688-010 LUMP INSPECTOR	TOBACCO	-2-	3	L--4-6	I-----
.687-014 CIGAR INSPECTOR	TOBACCO	-3-	3	L--4-6	I-----
.687-026 CIGARETTE-PACKAGE EXAMINER	TOBACCO	-3-	3	L--4--	I-----
.587-014 CIGARETTE INSPECTOR	TOBACCO	-3-	3	L--4-6	I---5--

794. FABRICATION OF PAPER PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-022 BAG STRINGER	PAPER GOODS	-1P	1	L--4--	I-----
.887-034 CARDBOARD CUTTER	MIRROR / PIC	-1P	2	L--4--	I---5--
.887-038 COLOR-CARD MAKER	PAINT / VARN	-2P	2	L--4--	I-----
.887-050 FRILL MAKER	PAPER GOODS	-1P	1	L--4--	I-----
.887-054 GARMENT-TAG STRINGER	PAPER GOODS	-1P	2	L--4--	I-----
.887-058 GLUER AND SLICER HAND	PAPER GOODS	-2P	2	M--4--	I-----
.887-062 LAPPER	WALLPAPER	-1-	1	L--4--	I-----
.887-066 PAPER-CONE MAKER	ELECTRONICS	-1P	2	L--4--	I-----
.887-070 PAPER-PATTERN FOLDER	PAPER GOODS	-1-	1	L--4--	I-----
.887-078 PUNCHBOARD ASSEMBLER	PAPER GOODS	-2P	1	L--4--	I-----
.887-080 PUNCHBOARD ASSEMBLER II	PAPER GO	-1-	1	L--4--	I-----
.887-082 SCRAPPER	PAPER GOODS	-3P	2	M--4--	I---5--
.887-086 STRINGER	PAPER GOODS	-1-	1	L--4--	I-----
.887-090 TABBER	PAPER GOODS	-1-	1	L--4--	I-----
.887-094 TRIMMER HAND	PAPER GOODS	-2P	1	L--4--	I-----
.687-010 COUNTER HAND	PAPER GOODS	-2P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 ASSEMBLER GREETING CARD	PRINT / PUB	-2P	2	L--4--	I---5--
.887-014 ASSEMBLER HAND	PAPER GOODS	-3P	2	L--4--	I-----
.887-018 BAG MAKER HAND	PAPER GOODS	-2P	2	S--4--	I-----
.887-026 BARRIER MATERIAL ASSEMBLER	PAPER GOODS	-3P	2	M--4--	I-----
.887-030 BOX COVERER HAND	PAPER GOODS	-2P	2	S--4--	I-----
.887-042 FOLDER HAND	PAPER GOODS	-2P	3	L--4--	I-----
.887-046 FORWARDER	PRINT / PUB	-2P	3	L--4--	I-----
.887-074 PATTERN RULER	TRIM / STAMP	-1P	2	L--4--	I-----
.884-010 BAG REPAIRER	PAPER GOODS	-2P	3	L--4-6	I---5--
.884-018 EDGE STRIPPER	PAPER GOODS	-2P	4	S--4-6	I-----
.884-022 EXPANSION ENVELOPE MAKER HAND	PAPER GOODS	-2P	2	L--4-6	I-----

794. FABRICATION OF PAPER PRODUCTS, N.E.C. (CONT.)

.884-026 FIBER-BOX REPAIRER	TOBACCO	-2P	2	H--4--	I-----
.884-030 PAPER-NOVELTY MAKER	PAPER GOODS	-2P	2	L--4--	I-----
.884-034 PAPER MACHE MOLDER	MODEL / PATT	-3P	5	M--4--	I-----
.884-038 SAMPLE MAKER HAND	PAPER GOODS	-2P	3	S--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-014 BOX MAKER PAPERBOARD	ANY IND	-3P	2	M--4--	I-----
-------------------------------	---------	-----	---	--------	--------

(8.) STRUCTURAL WORK
OCCUPATIONS

(8.) STRUCTURAL WORK OCCUPATIONS

METAL FABRICATING NOT ELSEWHERE CLASSIFIED (800.-809.)

Occupations in this area are concerned with fabricating, erecting, or repairing structural units made of metal, plastic, or fiberglass. Structural units include building frames and ornamental metalwork, bridges, trestles, marine craft and structures, vehicle bodies, airframes, boilers, storage tanks, drilling rigs, towers, prefabricated door castings, window frames, and air ducts.

Occupations in this area demand all eight of the combinations of cognitive capabilities. More than 40 percent of the occupations make minimum cognitive demands; nearly 20 percent demand all three types; and about 15 percent demand only perceptual processing. Perceptual processing demands derive from activities such as determining the position and relationships of parts through the use of blueprints and drawings; cutting and forming turns and bends in sheet metal ducts; constructing jigs and holding fixtures; and laying out templates to verify the size and shape of objects. Language demands vary from almost exclusively verbal communication on assembly lines to heavy use of written specifications on custom work. Writing demands may include ordering parts, maintaining production records, and making notes of difficulties encountered on a project. Mathematical demands tend to be concentrated on the physical measurements of parts and completed assemblies to verify conformance to standards. However, a number of the occupations require computation of dimensions and the use of geometric concepts and shop mathematics to compute angular measurements, to convert scale values, and to confirm precision measurements with dial gauges, micrometers, and machinist scales.

Psychomotor skill is commonly required for dexterity in the use of hand tools and fasteners. Mechanical knowledge can be an asset in minor equipment maintenance and using fastening systems.

Opportunities are relatively numerous and widespread, but competition for craft and construction occupations is typically severe and entry is frequently only through an apprentice program. Opportunities for a skilled person to progress to first-line supervision are relatively good.

PHYS.D WK COND
HRP SVP 123456 1234567

800. RIVETING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BUCKER-UP
.887-014 RIVETER HELPER
.884-010 RIVET CATCHER
.884-014 RIVETER AIRCRAFT

ANY IND -1- 3 M----- B---56-
ANY IND -2P 2 H--4-- I---56-
ANY IND -2P 4 L234-6 I---56-
AIRCRAFT MFG -3P 3 M-34-- I---5--

Metal Fabricating Not Elsewhere Classified

PHYS.D WK COND
HRP SVP 123456 1234567

800. RIVETING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-018 RIVETER PNEUMATIC
.782-014 RIVETER PORTABLE PINCH

ANY IND -2P 4 M234-- B---56-
ANY IND -2P 4 M--4-- I---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.782-010 RIVETER HYDRAULIC

ANY IND -2P 5 L2-4-6 I---5--

801. FITTING, BOLTING, SCREWING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FITTER HELPER
.887-018 INTERNAL-COMBUSTION-ENGINE ASS
.887-022 LABORER CORRUGATED-IRON-CULVER
.887-026 STRUCTURAL-STEEL-WORKER HELPER
.884-030 LINER REPLACER
.884-034 PATTERN GATER
.884-042 PROGRESSIVE ASSEMBLER AND FITT
.884-054 WIRE-MESH-GATE ASSEMBLER

ANY IND -3P 3 H2345- I---567
ENGINE / TUR -2- 2 H-34-- I---5--
CONST -2- 2 M-34-- O-----
CONST -2- 2 H234-6 O---56-
MINING / QUA -2P 3 M--4-- I---5--
FOUND -2P 4 M--4-6 I-----
AGRIC EQUIP -2P 2 M-34-- I-----
WIREWORK -3P 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 CASE ASSEMBLER
.884-038 PLAYGROUND-EQUIPMENT ERECTOR

AGRIC EQUIP -3- 3 M--45- I-----
CONST RET TR -3- 3 H234-- B----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-022 CRADLE PLACER

CONST -2P 3 H234-- O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-014 FRAME ASSEMBLER

MACH MFG -2- 2 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 ASSEMBLER
.884-026 JIG FITTER
.884-050 ROLL BUILDER

LIGHT HEAT -3- 3 M-34-- O-----
MACH MFG -3P 5 M-34-- I----6-
IRON / STEEL -3P 5 M2-4-- I---56-

804. SHEET METAL WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 METAL-FABRICATING-SHOP HELPER
.884-014 CUTTER ALUMINUM SHEET
.884-018 DUCT INSTALLER
.884-022 EXTRUSION BENDER
.884-030 ROUTER OPERATOR PORTABLE

ANY IND -3P 2 H-34-- I---56-
SHIP / BOAT -2P 2 M--4-- I---5--
CONST -2P 4 H--4-- I-----
SHIP / BOAT -3P 2 L-34-- I-----
AIRCRAFT MFG -2P 4 L--4-- I---5--

804. SHEET METAL WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 HOOD MAKER

CANVAS GOODS -3P 5 M-34-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 ASSEMBLER UNIT

STRUCT / ORN -3P 3 M-34-6 I----6-

805. BOILERMAKING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOILERMAKER HELPER

BOILERMAKING -3- 2 H2345- B---56-

.885-010 BOILERMAKER HELPER

BOILERMAKING -3P 4 H234-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-010 BOILERMAKER MECHANIC

BOILERMAKING -3P 5 M234-- B---5--

806. TRANSPORTATION EQUIPMENT ASSEMBLING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ASSEMBLER AUTOMOBILE

AUTO MFG -3- 2 M--4-- I-----

.887-018 MOTOR TEST HELPER

AUTO MFG -3P 2 M-34-- I---56-

.887-026 SHIPFITTER HELPER

SHIP / BOAT -3- 5 H234-- B---56-

.887-030 UPHOLSTERER

AIRCRAFT MFG -3P 5 M-34-- I-----

.887-034 WHEEL ASSEMBLER

TRANS EQUIP -2- 2 M-34-- B-----

.885-014 TUBING OILER

AIRCRAFT MFG -3P 3 M--4-- I---5--

.884-018 ASSEMBLER SOFT TOP

AUTO MFG -2P 2 M--4-- I-----

.884-038 CABINET ASSEMBLER

TRANS EQUIP -2P 2 M--4-- I-----

.884-042 CAR TRIMMER

LOCO / CAR B -2P 3 L234-- I---6-

.884-046 DOOR ASSEMBLER

TRANS EQUIP -3P 3 M--4-- I-----

.884-062 HEADLINER INSTALLER

AUTO MFG -2P 2 L--4-- I-----

.884-106 RIGGER HELPER

SHIP / BOAT -2P 3 H-34-- O-----

.883-010 ASSEMBLY-INSPECTOR HELPER

AGRIC EQUIP -3P 3 L--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-022 REPAIRER, GENERAL

AUTO MFG -2- 4 M--4-- I-----

.884-114 TRUCK-ASSEMBLY-MECHANIC HELPER

ORDNANCE -3- 3 M-34-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-034 BOAT RIGGER

RET TR -3P 4 M--4-- B-----

806. TRANSPORTATION EQUIPMENT ASSEMBLING AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 INSPECTOR BICYCLE	MOTOR / BICY	-2-	2	L----	6	I-----
.885-010 CABLE STRETCHER	AIRCRAFT MFG	-3-	4	L--4--		I---5--
.884-026 AUTOMOBILE-DOOR-PANEL ASSEMBLE	AUTO MFG	-3P	2	L--4--		I-----7
.884-050 FITTER AND ADJUSTER	AUTO MFG	-2P	2	M--4--		I-----
.884-054 FLATCAR WHACKER	SAWMILL	-2-	4	L--4-6		O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-014 ASSEMBLER ROCKET ENGINES	AIRCRAFT MFG	-3-	4	M--4--		I-----
.884-022 AUTOMOBILE-ACCESSORIES INSTALL	AUTO SER	-3P	4	M-34--		I-----
.884-082 MOTORCYCLE ASSEMBLER	MOTOR / BICY	-3P	5	H-34--		I-----
.884-094 PRESSURE SEALER-AND-TESTER	AIRCRAFT MFG	-3P	3	L-34--		I-----7
.884-102 RAILROAD-CAR-TRUCK BUILDER	LOCO / CAR B	-3P	3	H-34-6		I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-066 HONEYCOMB-BLANKET MAKER	AIRCRAFT MFG	-3P	5	M--4--		I-----
.884-074 METAL HANGER	TRANS EQUIP	-3P	2	H-34--		I-----
.884-122 WHEELWRIGHT	ANY IND	-3P	5	M--4--		B-----
.687-014 FINAL INSPECTOR	AUTO MFG	-3-	2	L--4-6		I-----
.687-018 OUTBOARD-MOTOR INSPECTOR	ENGINE / TUR	-3-	4	L--456		I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-030 BOAT OUTFITTER	SHIP / BOAT	-3P	4	M-34--		I-----
.884-058 FRAMER	TRANS EQUIP	-3P	4	M--4--		I-----
.884-070 MECHANICAL ASSEMBLER	AUTO MFG	-2P	4	M-34--		I-----
.884-086 MOTORCYCLE SUBASSEMBLER	MOTOR / BICY	-3P	5	H-345-		I-----
.884-090 OVERLAY PLASTICIAN	SHIP / BOAT	-3P	4	H-34--		O-----7
.884-096 PUMP INSTALLER-AND-TESTER	AUTO MFG	-3-	4	L-345-		B-----
.884-110 STRAPPER	SHIP / BOAT	-3P	5	L2-4--		B-----
.884-118 UTILITY WORKER	TRANS EQUIP	-3P	4	M-34--		I-----
.782-010 METAL-BONDING PRESS OPERATOR	AIRCRAFT MFG	-3-	5	M--4--		I-----
.687-010 CHASSIS INSPECTOR	AUTO MFG	-3-	2	L--4-6		I-----
.684-010 TRANSMISSION TESTER	AUTO MFG	-3P	4	L--45-		I-----
.384-014 PROCUREMENT INSPECTOR	AIRCRAFT MFG	-3-	5	L-34-6		I-----
.382-010 DIFFERENTIAL TESTER	AUTO MFG	-3-	4	L--456		I-----
.382-014 HYPOID-GEAR TESTER	AUTO MFG	-3-	4	L--456		I-----
.368-010 UTILITY WORKER, LINE ASSEMBLY	AUTO MFG	H3-	4	M--4--		I-----

807. BODY WORK, TRANSPORTATION EQUIPMENT

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 STREETCAR-REPAIRER HELPER	LOCO / CAR B	-2P	3	H234--		B-----
.884-014 ASSEMBLER, DECK AND HULL	SHIP / BOAT	-3P	3	H-34--		I---5--
.884-026 BURNISHER AND BUMPER	AIRCRAFT MFG	-2P	3	L--4--		I-----
.884-030 FLOOR SERVICE WORKER, SPRING	AUTO SER	-2-	4	H--4--		O-----

807. BODY WORK, TRANSPORTATION EQUIPMENT (CONT.)

.884-038	INSTALLER SOFT TOP	AUTO MFG	-3P	2	M--4--	I-----
.884-042	MECHANICAL ASSEMBLER PANELING	AUTO MFG	-2P	3	M-34--	I-----
.884-054	SOLDERER TORCH	AUTO MFG	-2P	3	L--4--	I-----
.884-058	VANE-STRIP INSTALLER	AIRCRAFT MFG	-2P	5	M--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-050	MUFFLER INSTALLER	AUTO SER	-2P	4	M-34--	I-----
----------	-------------------	----------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010	AUTOMOBILE-BODY-REPAIRER HELPE	AUTO SER	-2P	2	M-34--	I---5--
.884-018	AUTOMOBILE-BUMPER STRAIGHTENER	AUTO SER	-2P	3	H-34-6	I-----
.884-034	FRAME STRAIGHTENER	MOTOR / BICY	-2P	5	H--4--	I-----
.587-010	WATER-TEST RIDER	AUTO MFG	-1-	2	S----6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-010	INSPECTOR SHIPPING	AGRIC EQUIP	-3-	4	L--4-6	I-----
----------	--------------------	-------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-022	BOAT PATCHER PLASTIC	SHIP / BOAT	-3P	4	M-34--	O---5-7
.884-046	FIBER-GLASS LAMKINATOR	SHIP / BOAT	-3P	4	M-34--	I-3---7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010	ASSEMBLER SUBASSEMBLY	AIRCRAFT MFG	-3P	5	M--4--	I-----
----------	-----------------------	--------------	-----	---	--------	--------

809. MISCELLANEOUS METAL FABRICATING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014	HULL AND DECK REMOVER	SHIP / BOAT	-2-	3	H-34--	I-----
.887-018	LABORER SHIPYARD	SHIP / BOAT	-2-	1	H-34--	O-----
.887-022	LABORER STEEL HANDLING	CONST	-2-	2	V-34--	O-----
.887-026	MOLD PREPARER	SHIP / BOAT	-2-	2	L-34--	I-----
.887-030	ORNAMENTAL-IRON WORKER HELPER	CONST	-2P	3	H234--	B-----
.887-034	TANK-SETTER HELPER	PETROL PROD	-2-	2	M234--	O---6-
.887-038	WIRE BENDER	MATT / BEDSP	-2P	3	M-34--	I-----
.884-014	ASSEMBLER PRODUCTION LINE	STRUCT / ORN	-3P	3	M-34--	I---5--
.884-022	CASKET ASSEMBLER METAL	MORT GOODS	-3P	4	M-34-6	I-----
.884-034	DRILLER HAND	ANY IND	-2P	4	M--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-042	INSULATION-BLANKET MAKER	AIRCRAFT MFG	-3P	3	L--4--	I-----
----------	--------------------------	--------------	-----	---	--------	--------

Metal Fabricating Not Elsewhere Classified

PHYS.D WK COND
HRP SVP 123456 1234567

809. MISCELLANEOUS METAL FABRICATING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 HELPER MANUFACTURING	AIRCRAFT MFG -3P	3	L-34--	I---5--
.884-010 ALINENENT-ASSEMBLER-AND REPAIR	BAL / SCALES -3P	3	M--4--	I----6-
.884-018 AWNING-FRAME MAKER	CANVAS GOODS -3P	4	M-34--	I-----
.884-026 REPAIRER, FINISHED METAL	ANY IND -2P	5	H--4-6	I-----
.884-030 DRILLER	LOCO / CAR B -2P	4	H-34--	B---5--
.884-038 GRINDER-CHIPPER	ANY IND -2P	3	H234--	I---567
.687-010 INSPECTOR	FURN -3-	3	L----6	I---5--
.687-014 INSPECTOR AND TESTER	STRUCT. / ORN -3-	3	M--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-046 TEMPLATE MAKER TRACK	ANY IND -3P	3	L--4-6	I----6-
.781-010 LAY-OUT WORKER II	ANY IND -2P	5	M-34-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.381-010 FABRICATOR-ASSEMBLER METAL PRO	ANY IND -3P	5	M-34-6	I---567
---	-------------	---	--------	---------

WELDING, FLAME CUTTING, AND RELATED WORK (810.-819.)

Occupations in this area are concerned with the use of equipment such as arc welders, gas-shielded arc welders, tungsten-inert-gas welders, oxy-acetylene welders, arc welding machines, resistance welders, spot welders, flame cutting torches, arc cutting units, flame brazing machines, and soldering guns and irons.

More than one-third of these occupations make minimum demands for cognitive capabilities and almost as many make moderate demands of all three types. Language demands differ markedly between the routine production welding associated with the fabrication of mass produced items and the highly variable context of custom fabrication and repair. Oral communication is generally sufficient to learn and carry out repetitive tasks of mass production, but an extensive array of technical information must be dealt with in many of the other welding occupations. Mathematics demands derive primarily from setting controls to appropriate values and adjusting stops and feed mechanisms to accommodate specific materials. Some occupations require the application of geometry and shop mathematics to calculate angles, layout contours, and dimensions of parts. Perceptual processing demands derive from activities such as visualizing the relationship of component parts to the finished structure, interpreting blueprints and drawings, estimating the offset necessary to control contraction along a seam, judging the penetration and strength of welds, and identifying alloys from appearance and performance.

Coordination in the control of welding equipment is important to most occupations in this area. Knowledge of fundamental electrical and chemical principles is important to occupational safety.

Only 27 occupational titles are listed in this handbook for this area, but the number of jobs under each title tends to be very large and the opportunities widely distributed. Entry requires careful training. In mass production settings there is a possibility of progressing to inspection positions. A qualified welder also has the possibility of establishing an independent business, but this entails capital investment, customer relations, and bookkeeping considerations.

PHYS.D WK COND
HRP SVP 123456 1234567

810. ARC WELDING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-030 WELDER GUN

WELDING -2P 2 M-34-- I---56-

.782-010 BRAZER RESISTANCE

WELDING -2- 4 H--4-6 I----6-

.782-014 WELDER BUTT

WELDING -3P 4 L--4-- I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-018 WELDER SEAM

WELDING -3- 4 H-34-6 I---56-

Welding, Flame Cutting, and Related Work

PHYS.D WK COND
HRP SVP 123456 1234567

810. ARC WELDING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-038 WELDER TACK WELDING -2P 5 H-34-6 B---567

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-022 WELDER SPOT WELDING -3P 4 H--4-6 I----6-

812. COMBINATION ARC AND GAS WELDING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 WELDER PRODUCTION LINE WELDING -3P 2 M--4-- I----67

813. RESISTANCE WELDING

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 WELDER RESISTANCE MACHINE WELDING -3P 2 H--4-- I---56-

814. BRAZING, BRAZE-WELDING, AND SOLDERING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 BRAZER INDUCTION WELDING -2P 2 L--4-6 I----6-

.885-018 SOLDERING-MACHINE OPERATOR JEWELRY -2P 3 S--4-- I-----

.884-010 BRAZER CRAWLER TORCH WELDING -2P 5 M-34-6 I----67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 BRAZING-MACHINE OPERATOR WELDING -2- 3 M--4-6 I--4-67

.884-026 SOLDERER PRODUCTION LINE WELDING -2P 2 L--4-6 I----67

.884-030 SOLDERER-DIPPER WELDING -2P 2 L--4-6 I----67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 BRAZER REPAIR AND SALVAGE WELDING -3P 4 M-34-6 I----67

.884-018 BRAZER-ASSEMBLER WELDING -3P 5 M-34-6 I----67

.884-022 SOLDERER BARREL RIBS FIREARMS -3P 4 L--4-- I-34-67

.782-010 BRAZER CONTROLLED ATMOSPHERIC WELDING -3P 4 M-34-6 I-3--6-

.782-014 BRAZER FURNACE WELDING -3P 4 M--4-6 I-3--6-

.782-018 BRAZER INDUCTION WELDING -3P 5 M--4-6 I----67

815. LEAD BURNING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-010 LEAD-BURNER MACHINE

ELEC EQUIP -3- 4 L--4-6 I---5--

816. FLAME AND ARC CUTTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.782-010 FLAME-CUTTING TRACER-MACHINE O WELDING

-2- 5 M-34-6 I---567

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-018 FLAME CUTTER HAND

WELDING -3P 2 H234-6 B---567

819. WELDING, FLAME CUTTING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 WELDER HELPER

WELDING -3P 2 H-345- B---567

.886-010 MACHINE FEEDER

WELDING -2P 2 L-34-- I-3-567

.884-010 PIPE BUFFER

CONST -1- 2 M-34-- O---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.886-014 MACHINE HELPER

WELDING -3P 2 H-34-- I---567

**ELECTRICAL ASSEMBLING, INSTALLING,
AND REPAIRING (820.-829.)**

Occupations in this area are concerned with the custom assembly and field installation of electrical equipment and related structures for power generation and distribution, communications, process control, fire control, data processing, heating, air conditioning, refrigeration, illumination, and related applications.

Nearly 40 percent of the occupations in this area make minimum cognitive demands; another quarter of them make demands of all three types; and another substantial number demand a combination of language and mathematics. Language demands derive from activities such as verbal communication and the interpretation of product and installation specifications. Mathematics demands derive from activities such as measurement of structural components and fittings and interpretation of test instruments. Perceptual processing demands derive from activities such as arranging components in three dimensions and in interpreting the spatial relationships of components from illustrations and diagrams.

Psychomotor skills are frequently required for the manipulation of hand tools, small parts, and wiring. Mechanical skills are an asset to many of the occupations where innovative approaches must be used for the installation of electrical structures. A fundamental knowledge of electricity is mandatory for many occupations to prevent violation of safety procedures when working around electrical power and to detect and correct malfunctions in electrical units or circuits.

Opportunities are relatively numerous and widespread and prospects for career progression are good, but competition for these jobs tends to be severe and the training requirements rigorous.

PHYS.D WK COND
HRP SVP 123456 1234567

821. TRANSMISSION LINE AND CIRCUIT ASSEMBLY, INSTALLATION, AND REPAIR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 GROUND HELPER
.887-014 HELPER ELECTRICAL
.887-022 STONE UNLOADER
.884-018 WIRER, STREETLIGHT

LIGHT HEAT -2P 2 H--456 O-----
LIGHT HEAT -2P 3 H234-- B-----
CONST -1- 1 V-34-- O----6-
LIGHT HEAT -3- 3 L-34-- O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 STEEL-POST-INSTALLER

LIGHT HEAT -2P 3 M--4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 ELECTRIC-METER INSTALLER

LIGHT HEAT -3- 4 L2-4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 LABORATORY HELPER

LIGHT HEAT -2P 3 M-3456 B-----

824. MATERIALS HANDLING EQUIPMENT ASSEMBLY, INSTALLATION,
AND REPAIR, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.781-010 THIRD RAIL INSTALLER RR TRANS -3P 5 M-34-6 B----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.381-014 AUTOMATIC-WINDOW-SEAT-AND-TOP- AUTO SER -3- 4 L--4-- I-----

826. INDUSTRIAL APPARATUS ASSEMBLY, INSTALLATION, AND REPAIR, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-026 POT BUILDER CHEM -3P 4 H--4-- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-030 RESISTOR ASSEMBLER ELEC EQUIP -3P 4 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 ANODE BUILDER CHEM -3P 4 H-34-- I-3---7

.884-018 CELL REPAIRER CHEM -3- 5 H-34-- I-3---7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-022 CELL CHANGER CHEM -3- 5 H234-- I-3---7

827. COMMERCIAL AND INDUSTRIAL EQUIPMENT ASSEMBLY, INSTALLATION, AND REPA

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ELECTRICAL-APPLIANCE-SERVICER ANY IND -3- 2 H--4-- I-----

.887-014 DEFROSTER ANY IND -1- 1 H--4-6 I2-----

.884-014 AIR-CONDITIONING-UNIT INSTALLE REFRIGERAT E -2- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-018 ASSEMBLER COOLERS REFRIGERAT E -2- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 GAS CHARGER REFRIGERAT E -2P 2 M--4-- I-----

.884-026 AUTOMOBILE AIR-CONDITIONER AS REFRIGERAT E -2- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 AIR-CONDITIONING INSTALLER DOM ANY IND -3P 4 H2-456 B-----

.884-030 ELECTRICAL-APPLIANCE PREPARER ANY IND -3P 3 H-34-- I-----

Electrical Assembling, Installing, and Repairing

PHYS.D WK COND
HRP SVP 123456 1234567

822. WIRE COMMUNICATION, EQUIPMENT ASSEMBLY, INSTALLATION, AND REPAIR

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-030 SIGNAL MAINTAINER HELPER

R R TRANS -2- 3 H-34-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 CABLE INSTALLER

TEL / TEL -3P 5 H234-- B----67

.884-018 PLANT WIRER

TEL / TEL -3P 5 M23456 B----6-

.884-022 PROTECTIVE-SIGNAL-INSTALLER HE

BUS SER -3P 5 M23456 I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 FRAME WIRER

TEL / TEL -3P 4 M23456 I-----

.381-010 CABLE REPAIRER

TEL / TEL -3P 5 L-34-6 I-----

823. ELECTRONIC COMMUNICATION, EQUIPMENT ASSEMBLY, INSTALLATION, AND REP

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-014 RADIO-MECHANIC HELPER

ANY IND -3- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 ANTENNA INSTALLER

ANY IND -3- 4 M234-- O----6-

824. LIGHTING EQUIPMENT AND WIRING ASSEMBLY, INSTALLATION, AND REPAIR, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-022 STREET-LIGHT-REPAIRER HELPER

LIGHT HEAT -2- 3 M--4-- O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 MOTOR-VEHICLE-LIGHT ASSEMBLER

LIGHT FIX -2- 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 NEON TUBE PUMPER

SIGNS -3P 5 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.683-010 NIGHT-PATROL INSPECTOR

SIGNS -2P 2 L--4-6 O-----

825. MATERIALS HANDLING EQUIPMENT ASSEMBLY, INSTALLATION, AND REPAIR, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 ELEVATOR-CONSTRUCTOR HELPER

CONST -2P 3 H234-- I----6-

827. COMMERCIAL AND INDUSTRIAL EQUIPMENT ASSEMBLY,
INSTALLATION, AND REPAIR (CONT.)

.584-010 GAS-LEAK TESTER REFRIGERAT E -3- 2 L--456 I-----
.387-010 REFRIGERATOR TESTER REFRIGERAT E -3- 5 L--4-6 I-----

829. ASSEMBLY, ENSTALLATION, AND REPAIR OF ELECTRICAL PRODUCTS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CABLE-SPLICER HELPER
.887-014 ELECTRICIAN HELPER
.884-010 CABLE PULLER
.884-014 ELECTRICIAN HELPER
.884-018 ELEVATOR-REPAIRER HELPER

CONST LIGHT -2P 3 M234-6 B----6-
ANY IND -3P 3 M234-- I----6-
CONST LIGHT -1- 4 H234-- B-----
SHIP / BOAT -3P 5 M234-- I----6-
ANY IND -2- 3 H234-- I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.684-010 BATTERY INSPECTOR

LOCO / CAR B -3P 4 L--4-- I-----

**PAINTING, PLASTERING, CEMENTING,
AND RELATED OCCUPATIONS (840.-849.)**

Occupations in this area are concerned with the application of paint, plaster, waterproofing compounds, cement, paper and fabric coverings, caulking, and similar materials to surfaces and to objects. Pouring and finishing of concrete and similar materials for small-scale and highly variable projects are included in this area; large-scale and routine paving work is included under groups 850.-859.

About two-thirds of the occupations in this area make minimum cognitive demands, and a substantial proportion of the remainder demand only perceptual processing. Perceptual processing demands derive from activities such as blending ingredients to match the color of a sample, forming and smoothing surfaces, shaping reinforcements, and erecting scaffolds. Language demands derive almost exclusively from verbal communications, with relatively rare requirements to read instructions. Mathematics demands derive from activities such as measuring the volume of ingredients, computing surface or cubic areas, and estimating supply needs. Independent contractors must also compute costs.

A modest level of psychomotor skill is frequently required for the effective application of brushes, spray guns, trowels, and other hand tools.

There are only 51 occupational titles from this area listed in this handbook, but the number and variety of job opportunities under a given title tend to be rather large. Career progression tends to be quite limited except for independent contractors.

PHYS.D WK COND
HRP SVP 123456 1234567

840. CONSTRUCTION AND MAINTENANCE PAINTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DRY-WALL SANDER	CONST	-2P	2	L234--	I-----7
.887-014 PAINT-STRIPING-MACHINE OPERATO	CONST	-2P	2	L-34--	O-----
.887-018 PAINTER HELPER	CONST	-2P	4	M2345-	B-----7
.887-022 PAINTER HELPER BOAT	SHIP / BOAT	-2P	3	M--4--	B-----
.884-018 PAINTER ROUGH	CONST	-2P	4	M234-6	I-----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 GLASS TINTER	GLASS PROD	-2P	5	M2-4-6	O-----
-----------------------	------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-026 WHITEWASHER	CONST	-2-	1	L234-6	B-----6-
----------------------	-------	-----	---	--------	----------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 BITUMINOUS ENAMELER	ANY IND	-2P	3	M2-4-6	I-3---7
.781-014 PAINTER APPRENTICE SHIPYARD	SHIP / BOAT	-3P	5	M234-6	B-----67

841. PAPERHANGING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 BILLPOSTER

BUS SER H2- 2 L234-- O----6-

842. PLASTERING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 PLASTERER HELPER
.885-010 PLASTER-MACHINE TENDER
.884-010 DRY-WALL APPLICATOR
.884-018 PERMASTONE DRESSER
.781-010 LATHER

CONST -2- 4 V234-- I--4-6-
CONST -2P 4 L234-- B--456-
CONST -2P 5 M234-- I-----
CONST -2P 4 L234-- O----6-
CONST -3P 1 M234-6 I-----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-014 GROUND WIRER
.884-022 TAPER

CONST -2P 5 M--4-6 O----6-
CONST -2P 5 M234-- I--4---

843. WATERPROOFING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 UNDERCOATER
.887-018 WATERPROOFER HELPER
.884-014 DAMPROOFER
.884-018 STEEL-PLATE CALKER

AUTO SER -1- 2 L-34-6 I-----7
CONST -2P 2 M234-- O--4567
CONST -1P 4 M234-- I--4-6-
ANY IND -2P 4 M234-- B---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.782-014 METAL SPRAYER CORROSION PREVEN

ANY IND -3P 5 H234-6 O---567

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 DOPE POURER

CONST -2P 4 M-34-- O-34-67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-010 METAL SPRAYER CORROSION PREVEN

ANY IND -3P 5 M-34-6 I---567

844. CEMENT AND CONCRETE FINISHING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CEMENT-MASON HELPER
.887-018 CONCRETE-VIBRATOR OPERATOR
.887-022 CONCRETE-VIBRATOR-OPERATOR HEL
.887-026 GROUTER HELPER

CONST -2- 2 H2-4-- B--4-6-
CONST -1- 2 M234-- O---56-
CONST -1- 1 V--4-- O---5--
CONST -1- 1 M234-- O--45--

Painting, Plastering, Cementing and Related Occupations

PHYS.D WK COND
HRP SVP 123456 1234567

844. CEMENT AND CONCRETE FINISHING AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-030 INSERTER
.887-034 OIL SPRAYER
.887-038 STONE-AND-CONCRETE WASHER
.885-014 CEMENT-GUN-MIXING-MACHINE OPER
.885-018 GROUT-PUMP OPERATOR
.885-022 MUD-JACK OPERATOR
.884-022 CEMENT-SPRAYER, NOZZLE
.884-038 CONCRETE-WALL-GRINDER OPERATOR
.884-042 COVER MAKER
.884-046 MANHOLE MECHANIC
.782-010 CONCRETE-GUN OPERATOR

CONST -2- 2 M234-- O----6-
CONST -1- 1 M-34-- O-----
CONST -1- 1 L234-- O----6-
CONC PROD CO -2P 4 L-34-- O---5--
CONST -2P 2 M234-- O--45--
CONST -2P 3 L-34-- O-----
CONC PROD CO -2P 5 H234-- B---56-
CONST -2P 4 M234-- O---56-
CHEM -2P 5 M-34-- I---5--
LIGHT HEAT -2P 4 H234-6 O----6-
CONST -1- 4 M--4-- B---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 CEMENT-SPRAYER HELPER, NOZZLE

CONC PROD CO -2P 2 H234-- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 CELL MAKER

CHEM -3P 5 M-34-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-010 CEMENT-GUN OPERATOR
.884-034 CONCRETE RUBBER

CONC PROD CO -2P 2 M-34-- O-----
CONC PROD CO -3P 5 M--4-6 I-----

845. TRANSPORTATION EQUIPMENT PAINTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 DEADENER

AUTO MFG -1- 1 L-34-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.781-014 PAINTER APPRENTICE AUTOMOBILE

AUTO SER -2P 5 M-34-6 I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CAR SCRUBBER
.884-010 PAINTER HELPER AUTOMOBILE

LOCO / CAR B -2P 2 M234-- I--4-6-
AUTO SER -2P 4 M-34-- I----67

849. PAINTING, PLASTERING, CEMENTING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 WALLPAPER REMOVER STEAM
.886-010 PORTABLE GROUT-MIXER OPERATOR
.884-010 BOAT BUFFER PLASTIC

CONST -2- 1 M234-- I--4---
CONC PROD CO -1- 2 H-34-- O-----
SHIP / BOAT -2P 3 M-34-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-014 BOILER RELINER PLASTIC BLOCK

FOUND -2P 4 M--4-- I-----

**EXCAVATING, GRADING, PAVING,
AND RELATED OCCUPATIONS (850.-859.)**

Occupations in this area are concerned with removing and placing earth materials; grading earth surfaces; laying concrete, asphalt, or other hard surface materials; building surface or subsurface drainage systems; dredging ditches and canals; installing pipe and other facilities closely associated with excavation, grading, and paving.

More than 60 percent of the occupations in this area make minimum cognitive demands and a substantial proportion of the remainder demand only perceptual processing. Perceptual processing demands derive from activities such as relating planes to three-dimensional space; interpreting topographic contour specifications; perceiving and correcting deviations in the contour of excavations; and interpreting tactual/kinesthetic, sonic, and visual feedback for the control of machines under stress. Language demands derive from activities such as interpreting oral and written specifications for excavation; interpreting survey markers and lines, blueprints, and hand signals of other workers in establishing locations at the work site; and entering equipment use and maintenance data. Mathematics demands derive from activities such as making linear measurements of excavations and foundations, computing slope, laying out excavation areas, and verifying blueprint specifications.

A large proportion of the occupations in this area involve the operation of heavy equipment, and this may involve a variety of complex psychomotor skills. Mechanical skills may also be useful for minor equipment maintenance.

Entry opportunities are varied, relatively numerous, and widely distributed. Motivated and skilled individuals can move from manual labor to simple equipment and to more elaborate equipment. Work is likely to be seasonal in parts of the country having severe winters.

PHYS.D WK COND
HRP SVP 123456 1234567

850. EXCAVATING, GRADING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 DREDGE PIPE INSTALLER	CONST	-2P 3	H-34--	O--4---
.887-022 HORIZONTAL-EARTH-BORING-MACHIN	CONST	-2- 2	H234--	O--45--
.887-034 LABORER SHORE DREDGING	CONST	-1- 1	H-34--	O--4---
.887-038 MINER HELPER	CONST	-2P 3	H234--	I--4567
.887-042 MUCKER COFFERDAM	CONST	-1- 1	H234--	O---56-
.887-046 SHEET-PILE-HAMMER OPERATOR	CONST	-1P 2	H234--	O---56-
.887-050 SHEET-PILE-HAMMER-OPERATOR HEL	CONST	-1- 2	H234--	O---56-
.887-054 SHEETING PULLER	CONST	-1- 1	H--4--	O----6-
.887-058 SLICER	CONST	-1- 1	H--4--	O-----
.884-014 DREDGE-DIPPER TENDER	CONST	-2P 3	M--4--	O-----
.883-022 LOCK TENDER	CONST	-2P 4	L-34-6	I--45-7
.883-026 MUCKING-MACHINE OPERATOR	CONST	-3P 3	L2-45-	I--4567
.883-030 POWER-SHOVEL OPERATOR	ANY IND	-3P 5	M--4-6	O---5--

Excavating, Grading, Paving, and Related Occupations

PHYS.D WK COND
HRP SVP 123456 1234567

850. EXCAVATING, GRADING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.883-034 ROCK-DRILL OPERATOR
.883-042 SCRAPER OPERATOR
.883-050 TOWER-EXCAVATOR OPERATOR
.782-014 SHIELD RUNNER

CONST -2P 5 L-34-- O---56-
ANY IND -3P 3 M--4-- O---5--
CONST -2P 5 L--4-6 I---5--
CONST -2P 5 L--4-- I---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-014 DREDGE OPERATOR, LEVER
.883-038 SCRAPER OPERATOR

CONST -3P 5 M--4-6 O---5--
CONST -3P 5 L--4-6 O---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-010 HORIZONTAL-EARTH-BORING-MACHIN CONST

-3P 5 M234-- O--45--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CRUSHED-STONE GRADER
.887-026 LABORER PILE DRIVING GROUND WO
.887-030 LABORER ROAD
.884-010 BELL-HOLE DIGGER
.884-018 TRENCH TRIMMER, FINE
.883-046 STRIPPING-SHOVEL OPERATOR
.883-054 TRENCH-DIGGING-MACHINE OPERATO

CONST -1- 1 H-34-- O-----
CONST -3P 2 H-34-- O---56-
CONST -2P 2 H-34-- O---7
CONST -2- 2 M234-- O---67
CONST -2- 5 H-34-6 B---67
MINING / QUA -3P 5 M2-4-6 I---56-
CONST -3P 5 M--4-- O---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-018 DREDGE OPERATOR

CONST -3P 5 M--4-- O--45--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-016 EXCAVATOR

ANY IND -3P 2 H--4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-010 BULLDOZER OPERATOR
.387-010 INSPECTOR OF DREDGING

ANY IND -3P 5 H2345- O---67
WATER TRANS -3- 3 L---6 O---5--

851. DRAINAGE AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DITCH DIGGER
.887-014 DUMP GRADER
.887-018 FORM TAMPER
.887-022 FORM-STRIPPER HELPER
.887-026 GRADE TAMPER
.887-030 GRADER
.887-034 PIPE-LAYER HELPER
.883-026 SUBGRADER OPERATOR

MINING / QUA -1- 2 H-34-- B--4---
CONST -1- 1 H-34-- O-----
CONST -1- 3 M-34-- O-----
CONST -1- 1 H2-4-- O---6-
CONST -1- 1 V--4-- O-----
CONST -1- 1 H-34-- O---7
CONST -2- 1 H234-- O--4-6-
CONST -2P 5 L--4-- O-----

851. DRAINAGE AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 BLADE-GRADER OPERATOR CONST -3P 5 M--4-6 B-----
.883-030 UTILITY-TRACTOR OPERATOR CONST -3P 4 L--4-- O---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-022 PIPE LAYER CONST -3P 3 H-34-- O--4---
.884-030 SUBGRADE TESTER CONST -2- 3 L-34-- O---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-014 DRAIN LAYER CONST -3- 3 M-34-- O---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 FINE GRADER CONST -2- 4 M234-- O---56-
.883-018 MOTOR-GRADER OPERATOR CONST -3P 5 L--4-- O---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 BATTERBOARD SETTER CONST -3P 4 L-34-- O---56-
.883-022 SEPTIC-TANK INSTALLER CONST -3P 4 M-34-- O-----

852. CONCRETE PAVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 JOINT FILLER CONST -1- 1 L-34-- O-----
.887-014 LABORER CONCRETE PAVING CONST -2P 2 H-34-- O-----
.887-018 MUD-JACK NOZZLE WORKER CONST -2P 1 M-34-- O-----
.884-014 CONCRETE-PAVER-OPERATOR HELPER CONST -2- 3 M--4-6 O---5--
.883-010 CONCRETE-PAVER OPERATOR CONST -3P 4 M--4-6 O---5-7
.883-018 FORM-GRADER OPERATOR CONST -3P 4 L--4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 FORM SETTER METAL ROAD-FORM CONST -2- 5 M-345- O-----
.883-014 CONCRETE-PAVING-MACHINE OPERAT CONST -3P 3 M--4-- O--4---

853. ASPHALT PAVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 COLD PATCHER CONST -2- 2 M-34-- O-----
.887-014 LABORER BITUMINOUS PAVING CONST -3P 1 M-34-- O-----
.887-018 SQUEEGEE FINISHER CONST -1- 1 M--4-- O-----
.885-010 ASPHALT-HEATER TENDER CONST -2P 3 L--4-- O-----
.883-014 ROAD-OILING-TRUCK DRIVER CONST -3P 5 L--4-6 O---5--

Excavating, Grading, Paving, and Related Occupations

PHYS.D WK COND
HRP SVP 123456 1234567

853. ASPHALT PAVING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.883-018 STONE-SPREADER OPERATOR

CONST

-2P 5 L--4-- O-----

.782-010 ASPHALT-PLANER OPERATOR

CONST

-2P 5 L--4-- O---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 ASPHALT RAKER

CONST

-2- 4 M--4-6 O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.782-014 ASPHALT-PLANT OPERATOR

CONST

-3P 5 L--4-- B-3----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-010 ASPHALT-PAVING-MACHINE OPERATO

CONST

-3P 5 M-34-6 O---5--

859. EXCAVATING, GRADING, PAVING, AND RELATED WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 AIR-HAMMER OPERATOR

CONST

-2P 2 H234-- O---567

.887-014 BLASTER HELPER

ANY IND

-2- 3 H-34-- O----6-

.887-018 CURB-SETTER HELPER

CONST

-2- 1 V-34-- O-----

.887-022 LABORER STONE-BLOCK RAMMING

CONST

-1- 1 H--4-- O-----

.887-026 MUCKER

CONST

-1- 1 H-34-- I----67

.887-034 PUDDLER PILE DRIVING

CONST

-2P 2 H234-- O---56-

.887-046 WELL DIGGER II

CONST

-1- 1 M-345- O-----

.887-050 WELL DIGGER

CONST.

-2P 2 H--4-- O----67

.887-054 WELL-DIGGER HELPER

CONST

-2P 1 H-34-- O----6-

.885-014 CRUSHER OPERATOR

CONC PROD CO

-2- 2 M-34-- O-----

.885-022 PUMPER, PORTABLE PUMP

CONST

-2- 4 L-34-- O---5--

.885-026 SCRUBBER OPERATOR

CONST

-2- 2 L--4-- B-----

.884-014 DUCT LAYER

CONST LIGHT

-2P 4 H234-- O-----

.884-022 PAVING-BED MAKER

CONST

-1- 2 M-34-- O-----

.884-026 WELL-DRILL-OPERATOR HELPER CAB

CONST

-3P 4 V234-- O--4567

.883-010 BALLAST-CLEANING-MACHINE OPERA

RR TRANS

-2P 3 M--4-6 O---5-7

.883-014 BALLAST-REGULATOR OPERATOR

CONST

-2P 3 M--4-6 O---5--

.883-022 HEATER-PLANER OPERATOR

CONST

-2P 3 M--4-6 O---5--

.883-026 JOINT-CLEANING-AND-GROOVING-MA

CONST

-2P 4 M-34-6 O---5-7

.883-042 ROAD-ROLLER OPERATOR

CONST

-3P 5 L--4-6 O---5--

.883-046 SWEEPER OPERATOR

CONST

-2P 3 M--4-6 O-----

.883-054 WALKING DRAGLINE OPERATOR

ANY IND

-2P 5 M--4-6 I---5--

.782-010 DRIFTER

CONST

-2P 5 H2345- I--4567

.782-018 EARTH-BORING-MACHINE OPERATOR

CONST LIGHT

-2P 4 M--4-- O---5--

.782-026 PILE-DRIVER OPERATOR

CONST

-3P 5 M--4-- O---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-050 TAMPING-MACHINE OPERATOR

RR TRANS

-3P 3 M2-4-- O---5-7

859. EXCAVATING, GRADING, PAVING, AND RELATED WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.587-010 GRAVEL INSPECTOR CONST -2- 4 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030 PAVING RAMMER CONST -1- 1 H-34-- O-----
 .887-038 REINFORCING-STEEL WORKER WIRE CONST -2P 2 M234-- O-----
 .887-042 RIPRAP PLACER CONST -1- 2 H234-- O----6-
 .885-018 LOCK TENDER CONST -2P 4 L-3456 I---567
 .884-010 BRICKLAYER PAVING BRICK CONST -2P 5 M-3456 O----6-
 .884-018 FOUNDATION-DRILL-OPERATOR HELP CONST -2P 3 L-34-6 O---56-
 .883-038 ROAD-MIXER OPERATOR CONST -3P 5 L--4-6 O---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-018 DRAGLINE OPERATOR ANY IND -3P 5 M--4-6 O---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-010 ASPHALT-DISTRIBUTOR TENDER CONST -2P 2 L--4-- O---567

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-022 FOUNDATION-DRILL OPERATOR CONST -3P 5 L--4-6 O---5-7

CONSTRUCTION WORK NOT ELSEWHERE
CLASSIFIED (860.-869.)

Occupations in this area are concerned with building and repairing structures and structural members through carpentry, brick and stone masonry, tile setting, plumbing, gas fitting, steam fitting, asbestos and insulation work, floor laying and floor finishing, glass setting and related work, roofing and related work, and miscellaneous construction specialties such as lightning rod erection and the erection of advertising billboards.

Occupations in this area demand all eight combinations of cognitive capabilities, but more than 60 percent of them make only minimum demands. Substantial numbers demand moderate mathematics only, perceptual processing only, and a combination of all three types. Mathematics demands derive from activities such as making linear measurements, determining angles, and--for a few occupations--computing costs. Perceptual processing demands derive from activities such as maintaining functional relationships among components, even though physical locations are moved; visualizing three-dimensional forms from blueprints; making sketches to assist installation; and hand-setting structural forms. Language demands derive from activities such as interpretation of written work specifications, blueprints, and product specifications, and communicating verbally on the job.

More than half of the occupations have a substantial psychomotor skill demand for the use of power and hand tools. Mechanical skills can be an asset for the minor maintenance of power tools and the application of fastening and assembly systems.

Most of the occupational titles listed in this area are helper or laborer occupations in support of crafts and other journey level workers whose cognitive demands exceed those within the scope of this handbook. Persons who enter at helper or laborer levels and who achieve requisite skill levels could possibly move through apprentice training into journey levels.

PHYS.D WK COND
HRP SVP 123456 1234567

860. CARPENTRY AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CARPENTER HELPER MAINTENANCE	CONST	-2P	1	H234--	B---56-
.887-014 CARPENTER HELPER, HARDWOOD FLO	CONST	-1-	2	M-34--	I-----
.887-018 LABORER CARPENTRY	CONST	-2P	1	H234--	O----6-
.887-022 LABORER CARPENTRY DOCK	CONST	-2P	1	V234--	O----6-
.887-026 LABORER SHANT SINKING	CONST	-2P	1	H234--	O----6-
.884-010 FORM-BUILDER HELPER	CONST	-2P	5	M-34--	O-----
.884-014 SHORER	CONST	-2P	3	M234--	O---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-018 STULL INSTALLER	CONC PROD	-2P	2	M-34--	O----6-
--------------------------	-----------	-----	---	--------	---------

861. BRICK AND STONE MASONRY AND TILE SETTING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BRICK CLEANER	CONST	-1-	1	M-34--	O-----7
.887-018 BRICKLAYER HELPER	CONST	-2-	2	V234--	O----6-
.887-022 BRICKLAYER HELPER REFRACTORY B	ANY IND	-2-	3	M-34--	B-----
.887-034 PATCHER HELPER	COKE PROD.	-2-	2	H-34--	I-3---7
.887-038 STONEMASON HELPER	CONST	-2P	4	H234--	O----6-
.887-042 WALL WASHER	CONST	-1-	2	M234--	O--4-6-
.884-014 MARBLE-SETTER HELPER	CONST	-2P	2	H234--	B----67
.884-034 TERRAZZO-WORKER HELPER	CONST	-2P	4	H-34--	B--4---
.884-038 TILE-SETTER HELPER	CONST	-2P	3	H-34--	B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 BRICK-PAVING CHECKER	CONST	-2P	2	M-34-6	O-----
.887-026 BUILDING CLEANER BRICK OR STON	CONST	-2P	3	M234--	O--4-67
.884-010 CUPOLA PATCHER	FOUND	-2P	4	M234-6	I-----
.884-030 STONE-POLISHER APPRENTICE	CONST	-2P	3	M23456	B----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 PATCHER	COKE PROD	-2P	4	M234--	I-3---7
------------------	-----------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-030 MOLD MAKER	CONST	-2-	3	L-34--	O-----
---------------------	-------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-010 PERMASTONE SETTER	CONST	-3P	5	L234--	O--4-6-
----------------------------	-------	-----	---	--------	---------

862. PLUMBING, GAS FITTING, STEAM FITTING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BACKER-UP	CONST	-1-	2	M-34--	O-----
.887-014 CLAMPER	CONST	-2-	2	H234--	O--45--
.887-018 CONNECTOR HAND	CONST	-2-	3	H-34--	O-----
.887-022 CRANK HAND	CONST	-2-	1	M-34--	O---5--
.887-026 LABORER PIPE LINE	CONST	-2-	2	H-34--	O-----7
.887-030 LABORER PLUMBING	CONST	-2-	2	H-34--	B----6-
.887-034 OIL-BURNER-SERVICER-AND-INSTAL	ANY IND	-2-	2	H-34--	I-----
.887-038 PAPERHANGER PIPE	CONST	-1-	4	H-34--	O----67
.886-010 PIPE-MACHINE OPERATOR HELPER	CONST	-2-	2	H-34--	O-----
.884-014 FURNACE INSTALLER HELPER	LIGHT HEAT	-2-	4	M-34--	I-----
.884-018 GAS-FITTER HELPER	CONST	-2P	2	H-34--	-
.884-022 GAS-SERVICE HELPER	LIGHT HEAT	-2P	4	M-34--	B-----
.884-026 HYDRANT-AND-VALVE REPAIRER	WATERWORKS	-3-	5	M-34--	O--4---
.884-038 LABORER CONSTRUCTION OR LEAK G	LIGHT HEAT	-2P	4	H-34--	B-----
.884-042 PIPE CALKER	CONST	-2P	4	L234--	O---56-

Construction Work Not Elsewhere Classified

 PHYS.D WK COND
 HRP SVP 123456 1234567

862. PLUMBING, GAS FITTING, STEAM FITTING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-046	PIPE-FITTER HELPER	CONST	-2P	3	H234--	B--45--
.884-054	PIPE-LINE WORKER	CONST	-2P	4	H-34--	O-----
.884-058	PLUMBER HELPER	CONST	-2P	3	H234--	B---6-
.884-062	SEWER TAPPER	CONST	-2-	5	M-34--	O-----
.884-070	TAPPING-MACHINE OPERATOR	CONST	-3P	4	M234--	O-----
.782-014	PIPE-CLEANING-MACHINE OPERATOR	CONST	-2P	5	L-34--	O---5-7
.685-010	WATER TESTER	ANY IND	-3P	2	M--4-6	I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-010	WATER TESTER	CONST	-3P	4	M-34--	O-----
----------	--------------	-------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-034	JUNCTION MAKER	BRICK / TILE	-2P	5	M-34--	I-----
.884-066	SOFT-WATER SERVICER-AND-INSTAL	BUS SER	-3P	3	M--45-	O-----
.782-018	PIPE-WRAPPING-MACHINE OPERATOR	CONST PIPELI	-2P	5	L--4--	O---5-7
.687-010	COOLING-PIPE INSPECTOR	CONST	-3-	5	L234--	O--45--
.687-014	HOLIDAY-DETECTOR OPERATOR	CONST	-2-	2	L--456	O--4---

863. ASBESTOS AND INSULATION WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010	PAPER LATCHER	CONST	-2-	2	H-34--	O---567
.885-010	INSULATION-POWER-UNIT TENDER	CONST RET TR	-2-	4	L-34--	O---5-7
.884-014	FIREPROOFER	LIGHT HEAT	-2P	5	L--4--	I---6-
.884-018	BLOWER INSULATOR	CONST RET TR	-2P	5	M234--	B-3--67

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-030	INSULATION-WORKER APPRENTICE	CONST	-3P	3	L234-6	B---567
----------	------------------------------	-------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-010	COMPOSITION-WEATHERBOARD APPLI	CONST	-2P	4	M234--	O---6-
.884-022	INSULATION INSTALLER	CONST	-3P	3	L234--	I---6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-034	SIDER	CONST RET TR	-3P	4	M234--	O---6-
----------	-------	--------------	-----	---	--------	--------

864. FLOOR LAYING AND FINISHING WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010	FLOOR-FINISHER HELPER	CONST	-2-	4	M-34--	I---5-7
.884-014	FLOOR-SANDER HELPER	CONST	-2-	3	M-34--	I---5-7

864. FLOOR LAYING AND FINISHING WORK (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 FLOOR-LAYER HELPER CONST -2P 3 M-34-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.781-014 FLOOR-LAYER APPRENTICE CONST -3P 5 M-34-6 I-----

865. GLASS SETTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 GLAZIER HELPER CONST -2P 3 M234-- B----6-

.884-014 GLASS INSTALLER FURN PLAN MI -3P 3 M--4-6 I----6-

.884-018 GLAZIER METAL FURNITURE FURN -3P 5 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.884-010 GLASS INSTALLER AUTO SER -3P 4 M--4-- I-----

.884-026 REFRIGERATOR GLAZIER REFRIGERAT E -3P 4 L--4-- I--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-022 PLATE GLASS LAY-OUT WORKER CONST -2- 5 M--4-- I-----

866. ROOFING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ROOFER HELPER CONST -2- 2 H234-- O-3--67

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 ROOFER HELPER VINYL COATING CONST -3P 2 H234-- O--4-6-

869. MISCELLANEOUS CONSTRUCTION WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 BRUSH CLEARER, SURVEYING ANY IND -2- 1 H-34-- O-----

.887-018 CAMOUFLAGE ASSEMBLER ORDNANCE -1- 2 L--4-- I-----

.887-022 CONCRETE-FLOAT MAKER CONC PROD -3P 2 M-34-- B-----

.887-026 CONCRETE-PUMP-OPERATOR HELPER CONST -2- 1 M-34-- O---5--

.887-030 CONSTRUCTION WORKER CONST -2- 2 V234-- O---567

.887-034 FORM STRIPPER CONC PROD CO -2P 2 H2-4-- B-----

.887-038 FORM-SETTER HELPER CONST -2P 3 H-34-- O-----6-

.887-042 FURNACE-INSTALLER-AND-REPAIRER ANY IND -2- 2 H-34-- I----67

.887-046 HOD CARRIER CONST -2- 2 V2---- B----6-

869. MISCELLANEOUS CONSTRUCTION WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM
.887-050 HOOSIER POLE HAND	CONST	-2- 2 M--4-- O---5-7
.887-054 LABORER ADJUSTABLE STEEL JOIST	CONST	-2- 2 V234-- O----6-
.887-058 LABORER CEMENT-GUN PLACING	CONST	-2P 2 M234-- O-----
.887-062 LABORER WRECKING AND SALVAGING	CONST	-2- 1 V234-- O---567
.887-066 LOFT WORKER, PILE-DRIVING	CONST	-3P 5 H234-- O---56-
.887-070 MIXER HAND CEMENT GUN	CONST	-2- 1 H-34-- O-----
.887-074 REINFORCING-IRON-WORKER HELPER	CONST	-2- 2 H234-- O----6-
.887-078 RIG-BUILDER HELPER	PETROL PRODU	-2P 4 H-34-- O---56-
.887-082 ROUND-UP-RING HAND	CONC PROD	-2P 2 V--4-- O---5--
.887-090 STAKER, SURVEYING	ANY IND	-2- 2 M-34-- O-----
.887-094 TIMBER ROBBER	MINING / QUA	-2P 2 H-34-- I----67
.887-098 TRACK LAYER	CONST	-3P 2 V-34-- O----6-
.885-014 CONCRETE-PUMP OPERATOR	CONST	-2P 4 L-34-- O---5--
.885-026 PRECAST MOLDER	CONC PROD	-3- 3 H-34-- I--4---
.884-010 ASSEMBLER SKYLIGHTS	FABRIC PLAST	-2P 3 M--4-- I-----
.884-018 BILLBOARD-ERECTOR HELPER	CONST	-2P 3 H234-- B----6-
.884-038 FORM SETTER STEEL-PAN FORMS	CONST	-2P 4 H234-- O---56-
.884-054 LIGHTNING-ROD ERECTOR	CONST	-2P 3 L234-- O----6-
.884-058 PILE-DRIVING JETTER	CONST	-2- 3 M-34-- O---56-
.884-074 SIGN ERECTOR	SIGNS	-3P 3 H234-- O-----
.884-082 VENETIAN-BLIND INSTALLER	RET TR WINDO	-2P 4 M2-4-- I-----
.883-010 FORM-TAMPER OPERATOR	CONST	-2P 3 V-34-6 O----6-
.883-014 TAMPER OPERATOR	CONST	-2P 3 M-34-- O---5--
.883-018 TAMPING-MACHINE OPERATOR	CONST	-2P 5 L--4-- O---5--
.868-010 SIGNALLER	CONST	-2- 2 L--4-6 B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 AWNING-HANGER HELPER	CANVAS GOODS	-2P 3 H234-- O-----
.885-010 BATCH-PLANT OPERATOR	CONST	-2P 4 L2-4-- O----7
.885-022 MORTAR MIXER	CONC PROD CO	-2- 3 H-34-- O-----
.884-014 AWNING HANGER	CANVAS GOODS	-3P 4 H2-4-- O----6-
.884-066 ROUSTABOUT	PETROL PRODU	-3- 3 H2-4-6 O----6-
.883-022 RIGGER	CONST	-3P 4 H-34-- O---56-
.781-010 AWNING MAKER-AND-INSTALLER	RET TR WINDO	-3P 5 M2-4-- B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-018 KETTLE TENDER	CONST ROOF M	-2- 2 M-34-- O-3---7
.884-086 WRECKER	CONST	-3P 4 H234-- O---56-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.487-010 MEASURER	STRUCT / ORN	-2- 4 L--4-- B-----
-------------------	--------------	---------------------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-050 HOLDER, PILE DRIVING	CONST	-3P 5 H-34-- O-----
-------------------------------	-------	---------------------

869. MISCELLANEOUS CONSTRUCTION WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-086 STAIN REMOVER
.884-078 VENEER STAPLER

CONST -2- 2 M--4-- O-----7
SHIP / BOAT -2P 4 M--4-- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-022 STOPPING BUILDER
.884-026 CONSTRUCTION WORKER
.884-030 FENCE ERECTOR
.884-046 LAWN-SPRINKLER INSTALLER
.884-070 SEAT INSTALLER
.388-010 MEASURER
.387-014 POLE INSPECTOR
.134-010 FENCE-ERECTOR SUPERVISOR

MINING / QUA -3P 5 H--34- I----67
CONST -3P 5 H234-- O---5--
CONST -3P 5 M-34-- O-----
CONST -3P 5 M--4-- O--4---
CONST -3P 4 M-34-6 I-----
RET TR H3- 3 M234-6 O-----
LIGHT HEAT -3P 5 M2-456 O----6-
CONST H3P 4 L--45- O-----

**STRUCTURAL WORK NOT ELSEWHERE
CLASSIFIED (891.-899.)**

Occupations in this area are concerned with the maintenance of structures, special cleaning operations such as sandblasting and steam cleaning, hoisting and conveying operations associated with structural work, window repairs, and servicing of septic systems.

More than half of the occupations in this area make minimum cognitive demands and small numbers of occupations demand other combinations. Language demands derive mostly from verbal communications. Mathematics demands derive primarily from the mixing of materials. Perceptual processing demands derive from activities such as detecting and evaluating defects, positioning of structural components, and evaluating finished work against specifications.

Psychomotor skill demands derive from the use of hand tools in almost half of the occupations. Mechanical knowledge is an asset for a number of occupations in activities such as rigging scaffolds, maintaining power tools, and assembling/disassembling mechanical couplings and flanges.

There are only 29 occupational titles in this area listed in this handbook, and the numbers of job opportunities per title are not large.

PHYS.D WK COND
HRP SVP 123456 1234567

891. STRUCTURAL MAINTENANCE, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-018 PROJECT-CREW WORKER	ANY IND	-2-	4	M234--	B--4-67
.887-022 TANK CLEANER	ANY IND	-3-	2	H234--	I--4-67
.887-026 TUBE CLEANER	ANY IND	-2-	2	M234-6	I-34-6-
.885-010 STEAM-CLEANING-MACHINE OPERATOR	CONST	-2P	4	L--4--	O-----
.884-010 BUILDING CLEANER SANDBLASTER	CONST	-2P	3	M234--	O--4567
.884-014 BUILDING CLEANER STEAM	CONST	-2P	3	M2-4--	O--4567

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-022 PIPE CHANGER	MINING / QUA	-2-	3	H--4--	I--5--
-----------------------	--------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CHIMNEY SWEEP	ANY IND	-2-	3	M234--	B-----7
.887-014 FURNACE CLEANER	ANY IND	-2-	2	M-34--	I--5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 DOCK HAND	SHIP / BOAT	-3P	2	M234--	O--45--
--------------------	-------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 SWIMMING POOL SERVICER	ANY IND	-3-	4	M234--	B--4---
---------------------------------	---------	-----	---	--------	---------

892. HOISTING AND CONVEYING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.883-010 CHERRY-PICKER OPERATOR	CONST	-2P	3	M--45-	I--4567
.883-014 LABORER HOISTING	ANY IND	-2P	3	M23456	O---5--
.883-018 YARD WORKER	SHIP / BOAT	-2P	4	M-34-6	B-----

899. MISCELLANEOUS STRUCTURAL WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 MAINTENANCE REPAIRER HELPER	ANY IND	-2-	3	M--4--	B-----
.887-018 SEPTIC-TANK SERVICER	CONST	-2-	5	M-34--	O-----7
.884-010 BONDACTOR-MACHINE OPERATOR	FOUND	-2P	3	M234--	I-3---7
.884-022 HIGHWAY-MAINTENANCE WORKER	GOV SER	-2P	2	H-34--	O----6-
.884-038 PIPELINER	PIPE LINES	-3P	5	H234--	O-----
.884-050 TOWEL-CABINET REPAIRER	BUS SER	-2-	3	M--4-6	I-----
.884-054 WINDOW REPAIRER	ANY IND	-2P	4	M-34--	I-----
.782-010 DIVER PUMPER	CONST FISH	-2P	4	M--4--	O-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-030 MAINTENANCE REPAIRER HELPER, F	ANY IND	-2P	5	H--4-6	I---56-
---	---------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 DECORATOR, STREET AND BUILDING	ANY IND.	-2P	4	V234--	B----6-
---	----------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-046 SHAFT MECHANIC	MINING / QUA	-3-	5	H234--	B----67
-------------------------	--------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-014 CHIMNEY REPAIRER	BUS SER	-3P	5	M234-6	B----67
.884-018 DIVER HELPER	ANY IND	-3P	2	M-34--	O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-034 MOBILE-HOME REPAIRER	TRANS EQUIP	-3P	4	H-34-6	I-----
.884-042 SEWER-PIPE CLEANER	BUS SER	-3-	3	M-34-6	B--4--7

(9.) MISCELLANEOUS
OCCUPATIONS

(9.) MISCELLANEOUS OCCUPATIONS

MOTOR FREIGHT TRANSPORTATION (900.-909.)

Occupations in this area are concerned with driving vehicles for the transportation of freight over highways, city streets, or within the compounds of industrial, mining, or construction areas. The types and sizes of vehicles vary greatly as does the nature of the freight or cargo being transported.

About 20 percent of the occupations in this area make minimum demands for cognitive capabilities. More than 60 percent demand moderate capabilities only in language. Language demands derive from activities such as interpreting delivery information; planning and following a route to designated points using maps, road signs, and written or verbal instructions; recording truck condition and service information; preparing receipts for loads picked up; handling invoices for loads delivered; and maintaining logs of driving time and locations. Mathematics demands may derive from computing mileage, fuel, and delivery charges, or collecting money. Perceptual processing demands derive from activities such as loading trucks to maintain weight distribution, packing freight to prevent damage, and using rear view mirrors to back into loading docks.

Psychomotor demands derive from activities such as manipulating large vehicles in tight quarters, control of auxiliary loading equipment, and reacting to emergency situations while driving. Mechanical knowledge may be an asset for routine or emergency maintenance. Chemical knowledge may be an asset in the handling of certain cargoes such as mixed concrete, gases under pressure, flammables, and explosives.

There are only 31 occupational titles from this area listed in this handbook, but very large numbers of job opportunities are covered by some of them. One may sometimes progress from helper to driver and from driver to dispatcher, but otherwise there is relatively little career progression.

PHYS.D WK COND
HRP SVP 123456 1234567

900. CONCRETE-MIXING-TRUCK DRIVING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 CONCRETE-MIXING-TRUCK DRIVER CONST -3P 3 L--4-6 O---5--

902. DUMP-TRUCK DRIVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.883-014 DUMP-TRUCK DRIVER OFF-HIGHWAY ANY IND -3P 5 M--4-6 B---56-

Motor Freight Transportation

PHYS.D WK COND
HPP SVP 123456 1234567

902. DUMP-TRUCK DRIVING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 DUMP-TRUCK DRIVER

ANY IND -3P 3 M--4-6 O-----

903. TRUCK DRIVING, INFLAMMABLES

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 POWDER-TRUCK DRIVER

.883-014 TANK-TRUCK DRIVER

AMMUNITION -3P 3 M-34-6 B----6-
PETROL REFIN -3P 4 M234-6 B-----

904. TRAILER-TRUCK DRIVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.883-010 LOG-TRUCK DRIVER

LOGGING -3P 5 M--4-6 I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-018 TRANSPORT DRIVER

.883-022 WATER-TRUCK DRIVER

MOTOR TRANS -3P 4 M234-6 B---5--
CONST PETROL -3P 3 M--4-6 O---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.883-014 TRACTOR-TRAILER-TRUCK DRIVER

ANY IND -3P 4 M-34-6 B-----

905. HEAVY TRUCK DRIVING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 ARMORED-CAR DRIVER

.883-018 TRUCK DRIVER

.883-022 TRUCK DRIVER HEAVY

.883-026 WATER HAULER

.883-030 WATER-TRUCK DRIVER

BUS SER -3P 3 M--4-6 B--456-
LOGGING -3P 3 M--4-6 B---5--
ANY IND -3P 3 L-34-6 B---5--
LOGGING -3P 3 L--4-6 O-----
CONST PETROL -3P 3 M--4-6 O---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 TRUCK-DRIVER HELPER

ANY IND -2- 2 H234-- I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-014 MILK DRIVER

DAIRY PROD -3P 3 V2-4-6 I-----

906. LIGHT TRUCK DRIVING

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 EXPLOSIVES-TRUCK DRIVER	AMMUNITION	-3P	3	M-34-6	B----6-
.883-014 FOOD-SERVICE DRIVER	HOTEL / REST	-3P	3	L-34-6	B-----
.883-022 TELEPHONE-DIRECTORY DISTRIBUTO	BUS SER	-3P	3	M--4-6	B-----
.883-026 TRUCK DRIVER LIGHT	ANY IND	-3P	3	M-34-6	B-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.883-018 LIQUID FERTILIZER SERVICER	AGRIC	-3P	3	M--4-6	O-----7
-------------------------------------	-------	-----	---	--------	---------

909. MOTOR FREIGHT TRANSPORTATION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 GARBAGE COLLECTOR	MOTOR TRANS	-1-	1	H-34--	O-----7
.887-018 LABORER GENERAL	MOTOR TRANS	-1-	2	H23---	B-----
.887-022 TANKER CLEANER	MOTOR TRANS	-2-	2	M234--	O--4567
.887-026 VAN-DRIVER HELPER	MOTOR TRANS	-2P	3	V-34--	B---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 GARBAGE COLLECTOR	MOTOR TRANS	-3P	3	M--4-6	O-----
.883-014 HOSTLER	MOTOR TRANS	-3P	5	M-34-6	B---5--
.883-018 TOW-BAR DRIVER	AUTO MFG	-3P	3	L--4-6	I-----
.588-010 SPOTTER	MOTOR TRANS	-3P	4	L---56	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 FURNITURE MOVER	MOTOR TRANS	-2P	3	V-34--	B---56-
--------------------------	-------------	-----	---	--------	---------

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-022 VAN DRIVER	MOTOR TRANS	-3P	5	V-34-6	B---56-
---------------------	-------------	-----	---	--------	---------

TRANSPORTATION WORK NOT ELSEWHERE
CLASSIFIED (910-919.)

Occupations in this area are concerned with moving people and materials by means of motor vehicles, railways, aircraft, freshwater or seagoing vessels, and pipelines.

More than one-third of these occupations make only minimum cognitive demands. Substantial concentrations of occupations also demand moderate language only, perceptual processing only, combined language and mathematics, and combined language and perceptual processing capabilities. Language demands derive from activities such as keeping records of freight and passengers, interpretation of timetables and schedules, recording arrival and departure times, recording causes for delay, answering customer questions, and interpreting warning signals. Mathematics demands derive from activities such as calculating weights and volumes for shipping manifests, converting between metric and English measures, and computing shipping charges. Perceptual processing demands derive from activities such as inspecting the condition of freight damaged in transit and detecting malfunction symptoms in equipment.

Driving and the use of hand tools may demand psychomotor skills. Mechanical knowledge may be useful for minor maintenance tasks. A substantial proportion of the occupations in this area involve regular contact with the public.

Entry opportunities are numerous and widespread. Progression prospects are moderate.

PHYS.D WK COND
HRP SVP 123456 1234567

910. RAILROAD TRANSPORTATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM
.887-014 CAR COOPER	ANY IND	-2P 2 M2-4-6 I-----
.887-018 CAR ICER	ICE RR TRAN	-1- 1 H234-- O-----
.887-022 DUMPER-AND-FILLER	SLAUGHT / ME	-2- 1 H-34-- O-----
.887-026 FREIGHT-CAR CLEANER DELTA SYST	RR TRANS	-2P 2 H--4-- O---5-7
.887-030 LAMP KEEPER	RR TRANS	-2- 2 L2-4-- B-----
.887-034 LIGHTKEEPER, BRIDGE	RR TRANS	-2- 2 L2-4-- B-----
.887-038 SWITCH TENDER	RR TRANS	-2P 2 M--4-6 O---5--
.887-042 TRACK OILER	RR TRANS	-2P 2 L-34-- O-----
.885-010 CAR ICER	RR TRANS	-2- 2 M--45- O-----
.883-030 TRACK-BROOM OPERATOR	RR TRANS	-3P 3 M--4-- O-----
.883-034 TRACK-MOVING-MACHINE OPERATOR	MINING / QUA	-2P 4 M-34-6 O-----
.883-042 TRANSFER-TABLE OPERATOR	RR TRANS	-3P 3 M--4-6 O---5--
.868-022 PASSENGER SERVICE REPRESENTATI	RR TRANS	-1- 2 L--4-- I-----
.782-018 TRACK REPAIRER	RR TRANS	-3P 4 H-34-6 O---5--

910. RAILROAD TRANSPORTATION (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 BAGGAGE HANDLER	RR TRANS	-2-	2	H234--	I---5--
.884-010 BRAKE COUPLER, ROAD FREIGHT	RR TRANS	-3P	4	M2-4-6	B---56-
.884-014 YARD COUPLER	RR TRANS	-3P	4	M234-6	O---56-
.883-026 MOTOR OPERATOR	RR TRANS	-3P	5	L--4-6	I---5--
.883-038 TRACK-SURFACING MACHINE OPERAT	CONST	-2P	3	M--4--	O---5--
.868-010 CALLER	RR TRANS	H3P	2	L--4-6	B-----
.587-010 CAR SEALER	RR TRANS	-2-	2	L-----	B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-014 GREASER JOURNAL BOX	LOCO / CAR B	-2P	2	M-345-	B--4-6-
.884-018 GRINDING-MACHINE OPERATOR PORT	RR TRANS	-2P	3	M-34-6	O---56-
.883-046 TURNTABLE OPERATOR	RR TRANS	-2P	3	L-3456	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-014 HOSTLER INSIDE	RR TRANS	-3P	4	L2-4-6	B---5--
.883-013 HOSTLER OUTSIDE	RR TRANS	-3P	4	L2-4-6	B---5--
.883-022 LABORER CAR BARN	RR TRANS	-3P	4	L--4-6	B-----
.868-014 CONDUCTOR	RR TRANS	H3P	5	M2-45-	I---5--
.688-014 TRAIN CLERK	RR TRANS	-3-	3	L-----	I-----
.388-014 YARD CLERK	RR TRANS	-3-	3	S--456	I-----
.368-010 CAR DISTRIBUTOR	RR TRANS	-3-	5	S---5-	I-----
.368-014 MONEY CLERK	RR TRANS	-3-	4	M--45-	I-----
.368-018 RAILWAY-EXPRESS CLERK	RR TRANS	H3-	4	M--45-	I-----
.364-010 BRAKER, PASSENGER TRAIN	RR TRANS	H3-	4	L2-456	I---5--
.168-022 PASSENGER REPRESENTATIVE	RR TRANS	H3-	4	L2-45-	----5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.883-010 CAR-RETARDER OPERATOR	RR TRANS	-3P	4	S--456	I-----
.883-050 YARD ENGINEER	RR TRANS	-3P	5	L--4-6	I---5--
.868-018 LOCOMOTIVE OPERATOR HELPER	RR TRANS	-2-	2	L---56	I---5--
.782-010 INTERLOCKING TOWER OPERATOR	RR TRANS	-3P	5	L--4-6	I-----
.782-014 TOWER OPERATOR	RR TRANS	-3P	5	L--4-6	I-----
.688-010 TRACK WALKER	RR TRANS	-2-	3	L-----	O-----
.687-010 CAR INSPECTOR	LOCO / CAR B	-2-	3	L2-4--	B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.684-010 CAR INSPECTOR	PETROL REFIN	-3-	4	M234-6	O---56-
.387-010 PERISHABLE-FRUIT INSPECTOR	WHOLE TR	-3-	5	M234-6	B2-4---
.368-022 RESERVATION CLERK	RR TRANS	-3-	3	S---5-	I-----

911. WATER TRANSPORTATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CLEANER
.887-014 COAL HANDLER
.887-018 COAL TRIMMER
.887-026 FENDER MAKER
.887-030 LINES TENDER
.884-022 FERRYBOAT-OPERATOR HELPER
.883-010 BOOMBOAT OPERATOR
.883-014 DOCK HAND
.883-026 MOTORBOAT OPERATOR
.868-010 HATCH TENDER
.687-010 SOUNDER

ANY IND -2- 2 M234-- I---567
WATER TRANS -2P 2 M23456 O----6-
WATER TRANS -2P 3 H--4-6 O-----
SHIP / BOAT -2P 2 V--4-- B-----
WATER TRANS -1P 2 H--4-- O-----
WATER TRANS -3P 2 H-345- B---5--
LOADING -2P 5 L2-4-6 O--45--
AIR TRANS -2P 4 M--4-6 O--45--
ANY IND -3P 5 M234-6 B-----
WATER TRANS -1- 2 L----- O-----
ANY IND -1- 2 M-34-6 O-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-014 BOAT LOADER
.883-022 STEVEDORE I
.878-010 TICKET TAKER FERRYBOAT
.782-010 LOCK TENDER

WATER TRANS -3- 3 M234-- O--4567
WATER TRANS -3P 5 M--4-6 O-----
WATER TRANS H2P 2 M--45- B-----
WATER TRANS -3- 5 L--4-6 B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022 DECKHAND
.887-034 ORDINARY SEAMAN
.883-034 WINCH DRIVER

WATER TRANS -3P 4 H-34-- O-----
WATER TRANS -3P 4 M2-4-6 O-----
WATER TRANS -3P 5 L--4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-026 MARINE OILER
.488-010 TONNAGE-COMPIATION CLERK
.388-010 RECEIPT-AND-REPORT CLERK
.368-010 BAGGAGEMASTER
.368-014 CLERK AND DISPATCHER PILOT STA
.368-018 DISPATCHER TUGBOAT

WATER TRANS -3- 5 M--4-- I-----
WATER TRANS -3P 5 S--4-- I-----
WATER TRANS -3- 5 S--4-- I-----
WATER TRANS H3- 3 L--4-6 B-----
WATER TRANS -3- 3 M--45- I-----
WATER TRANS -3- 5 S---5- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 FERRYBOAT OPERATOR CABLE

WATER TRANS -3P 3 M--45- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-030 SAILOR PLEASURE CRAFT
.388-014 WATERWAY TRAFFIC CHECKER

WATER TRANS -3P 5 M234-6 B-----
WATER TRANS -3- 3 S---56 I-----

912. AIR TRANSPORTATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 LINE-SERVICE ATTENDANT AIR TRANS -2- 2 L2-4-- O-----7
.782-010 AIRCRAFT-AIR-CONDITIONING-TRUC AIR TRANS -2P 4 M--4-- O---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 LABORER AIRPORT MAINTENANCE AIR TRANS -3P 2 M--4-- O-----
.488-010 TRAFFIC-RATE CLERK AIR TRANS -3- 3 S----- I-----
.388-010 TRIP FOLLOWER AIR TRANS -3- 3 L----- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-010 PARACHUTE RIGGER AIR TRANS -3P 3 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.384-010 AIRPORT ATTENDANT AIR TRANS -3P 5 M--45- B---5--

913. PASSENGER TRANSPORTATION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CAR CORDER MOTOR TRANS -1- 1 L--4-- I-----
.883-018 MOBILE-LOUNGE DRIVER MOTOR TRANS -3P 4 S--4-6 I-----
.363-010 BUS DRIVER DAY-HAUL OR FARM CH AGRIC H3P 3 M-3456 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 AMBULANCE DRIVER MEDICAL SER -3P 4 V--4-6 I---56-
.883-014 CHAUFFEUR ANY IND -3P 3 L--4-6 B-----
.868-010 CALLER AIR TRANS RR -2- 2 S---5- I-----
.463-014 BUS DRIVER SCHOOL MOTOR TRANS H3P 5 M--456 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.463-010 BUS DRIVER MOTOR TRANS H3P 5 M--456 I---5--
.463-016 STREETCAR OPERATOR RR TRANS H3P 3 S---5- I-----
.463-018 TAXI DRIVER MOTOR TRANS H3P 3 M--4-6 I-----
.463-022 TRANSIT OPERATOR MOTOR TRANS H3P 5 L--456 I---56-
.368-010 ASSIGNMENT CLERK MOTOR TRANS -3- 3 S---5- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.168-022 TAXICAB STARTER MOTOR TRANS -3- 3 S---5- I-----

Transportation Work Not Elsewhere Classified

PHYS.D WK COND
HRP SVP 123456 1234567

914. PUMPING AND PIPELINE TRANSPORTATION

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 LABORER PIPE LINES
.887-014 PUMPER HELPER
.885-010 DREDGE OPERATOR BRIDGE
.885-022 PUMPER, BREWERY

PIPE LINES -2P 2 H-34-- O-----
ANY IND -2- 2 M-34-- B---5--
MINING / QUA -1- 2 S2-4-- I---5--
MALT LIQUORS -2- 3 M-345- I2-4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-014 GAS-TRANSFER OPERATOR

COMP / LIQUE -2P 2 L--4-6 O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-018 PUMPER
.368-010 DISPATCHER RELAY

ANY IND -3- 4 L234-- B--456-
PIPE LINES -3P 5 S--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.584-010 LINE WALKER

PETROL PRODU -3P 4 L--45- O-----

915. PARKING LOT AND RELATED SERVICE WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 AUTOMOBILE-SLIP-COVER INSTALLER
.887-014 LUBRICATION SERVICER
.887-022 STEAM CLEANER
.884-010 GARAGE SERVICER, INDUSTRIAL

AUTO SER -2- 2 M-34-- I-----
AUTO SER -3- 4 M-34-- I-----
AUTO SER -2P 2 M-34-- O--456-
AUTO SER -3- 3 L--4-- O-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-010 HOSTLER
.878-018 PARKING-LOT CHAUFFEUR

AUTO SER -3P 5 L-34-6 B-----
AUTO SER -3P 2 L--4-- B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.878-014 PARKING-LOT ATTENDANT

AUTO SER -3P 2 L--4-- B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 PORTER USED-CAR LOT
.887-026 TAXI SERVICER
.884-014 TIRE REPAIRER

RET TR -2P 2 M-34-- B-----
MOTOR TRANS -2- 2 M-34-- B-----
AUTO SER -3- 3 M-34-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.878-010 AUTOMOBILE-SELF-SERVE-SERVICE-
.867-010 AUTOMOBILE-SERVICE-STATION ATT
.867-014 TRAILER-RENTAL ATTENDANT
.587-010 GAS-AND-OIL SERVICER

AUTO SER H2- 3 L-345- O-----
AUTO SER H3- 3 I-345- B-----7
AUTO SER H3- 3 I-345- O-----
MOTOR TRANS -2- 2 L--4-- I---567

919. MISCELLANEOUS TRANSPORTATION WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 HERDER, STOCKYARD
.883-010 CARTER
.883-014 DELIVERY DRIVER
.883-022 DRIVER
.883-030 DINKEY OPERATOR
.883-034 RAIL-TRACTOR OPERATOR
.883-038 TEAM DRIVER, RUTTER
.883-042 SNAKER
.883-046 RAIL-CAR OPERATOR
.883-050 STREET-SWEEPER OPERATOR
.883-054 SUPPLIES PACKER
.883-058 TEAMSTER
.883-066 TRACKMOBILE OPERATOR

AGRIC -2- 2 M--4-- I--456-
LOGGING -2P 3 L--4-- O-----
ANY IND -3P 3 L234-6 B---56-
AUTO MFG -2P 3 L--4-6 I-----
ANY IND -2P 4 L--4-6 B-----
IRON / STEEL -2P 4 L--4-- O-3----
LOGGING -2P 3 L--4-- O-----
LOGGING -2P 3 M-34-- O-----
LOGGING -2P 3 L--4-6 I-----
GOV SER -3P 3 L----- B-----
ANY IND -2P 5 H-34-- O23--67
ANY IND -2P 3 M--45- O-----
ANY IND -3P 3 M-34-6 B-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-026 DRIVER-UTILITY WORKER
.883-062 TOW-TRUCK OPERATOR
.782-010 REFRIGERATING-MACHINE OPERATOR
.368-018 TRAFFIC CHECKER

AUTO MFG -3P 4 M-34-6 I-----
AUTO SER -3P 3 M-34-6 B---5--
MOTOR TRANS -3P 4 M--4-- B2-----
GOV SER H3- 2 L-34-- O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CLEANER

ANY IND -2- 1 M-34-- B--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.478-010 CAR-RENTAL CLERK
.368-010 DISPATCHER CAR RENTAL

AUTO SER H3- 3 S---5- I-----
AUTO SER -3P 4 L--45- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.687-010 CHECKER
.387-010 NEW-CAR INSPECTOR

MOTOR TRANS -2- 2 L----- I----6-
MOTOR TRANS -3P 4 L--456 O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-018 DELIVERER, CAR RENTAL
.388-010 OVER-SHORT-AND-DAMAGE CLERK

AUTO SER H3P 3 L--45- I-----
MOTOR TRANS -3- 4 S---5- I-----

**PACKAGING AND MATERIALS
HANDLING (920.-929.)**

Occupations in this area are concerned with preparing and arranging materials and products for distribution or storage.

More than half of the occupations in this area make minimum cognitive demands even though each of the eight combinations is demanded by some occupations. Substantial numbers demand moderate language only, perceptual processing only, and a combination of all three types. Language demands derive from activities such as reading or recording contents of packages or crates, shipping or storage information on labels, and production information. Perceptual processing demands derive from activities such as inspecting products for defects, estimating the size of items by sight, sorting products by quality, and placing materials in containers to occupy minimum volume.

Substantial psychomotor skills are demanded by about 40 percent of the occupations for activities such as manipulating products being packaged in a mass production environment and for controlling packaging and labeling machines, hoists, forklifts, and similar equipment. Mechanical skills can be an asset for machine adjustment and minor maintenance of equipment.

Entry opportunities are relatively numerous and spread among production centers, but career progression opportunities are limited.

PHYS.D WK COND
HRP SVP 123456 1234567

920. PACKAGING

Language	Mathematical	Perceptual-Motor Skills
MINIMUM	MINIMUM	MINIMUM

.887-010 APPLE-PACKING HEADER	AGRIC	-1- 2	L--4-- B-----
.887-014 BAG LOADER	AMMUNITION	-1- 1	M--4-- I-----7
.887-018 BAGGER	CLEAN DYE	-1- 1	L--4-- I-----
.887-022 BAGGER	RET TR	-2- 2	M-34-- B-----
.887-026 BALE CAPPER	TOBACCO	-1- 2	V--4-- I-----
.887-030 BALE SEWER	AGRIC	-2P 2	M-34-6 I-----6-
.887-034 BANDER HAND	PAPER GOODS	-1- 1	L--4-- I-----
.887-038 BANDER HAND	TOBACCO	-1- 2	S--4-6 I-----
.887-042 BANDOILER PACKER	AMMUNITION	-2- 1	S--4-- I-----
.887-046 BLADDER PACKER HAND	TOBACCO	-2- 2	M--4-- I-----
.887-058 CARDBOARD INSERTER	HOSIERY	-1- 2	S--4-- I-----
.887-062 CARRIER PACKER	SURGICAL APP	-2P 2	M--4-- I-----
.887-066 COTTON TIER	AGRIC	-1- 2	L--4-- I---5--
.887-070 DENTAL FLOSS PACKER	SURGICAL APP	-2- 2	L--4-- I-----
.887-074 GARMENT BAGGER	GARMENT	-2- 2	L--4-- I-----
.887-078 HANDKERCHIEF FOLDER	GARMENT	-1- 2	L--4-6 I-----
.887-082 HOGSHEAD OPENER	TOBACCO	-2P 2	V-34-- I-----
.887-090 LABEL REMOVER	DISTILLED LI	-1- 1	L--45- I--4--
.887-098 LINE-OUT WORKER II	TOBACCO	H2P 2	H234-- I---5--
.887-102 MACHINE-PACK ASSEMBLER	AMMUNITION	-2- 2	M--4-- I-----
.887-106 MARKER	ANY IND	-2P 2	M--4-- I-----

920. PACKAGING (CONT.)

.887-122 PAPER INSERTER	GLASS MFG	-1P	2	L-34--	I-----
.887-130 ROSIN-BARREL FILLER	TURP / ROSIN	-2P	1	L-34--	I-----
.887-138 SHINGLE PACKER	SAWMILL	-2P	2	H--4--	I-----
.887-146 SHOE PACKER	BOOT / SHOE	-1-	2	L--4--	I-----
.887-154 SNUFF-BOX FINISHER	TOBACCO	-2-	2	S--4--	I-----
.887-158 SNUFF-CAN ROLLER	TOBACCO	-1-	2	L--4--	I-----
.887-162 SNUFF-TUMBLER TOPPER	TOBACCO	-1-	1	L--4--	I-----
.887-166 STENCILER	ANY IND	-1-	1	L-----	I-----
.887-170 STERILIZER	VINOUS LIQUO	-2P	2	H--4--	I-----
.887-174 TABLE-COVER FOLDER	HOUSE FURN	-2-	2	L--4--	I-----
.887-178 TIE BINDER	GARMENT	-1-	2	L--4--	I-----
.887-182 TISSUE INSERTER	HOSIERY	-1-	2	S--4--	I-----
.887-186 TOBACCO WRAPPER	TOBACCO	-1-	2	M--4--	I-----
.886-010 BANDER-AND-CELLOPHANER HELPER	TOBACCO	-2-	2	L--4--	I-----
.886-018 CLOTH-BAG TIER	TOBACCO	-1P	1	L--4--	I-----
.886-026 FOLDING-MACHINE FEEDER	TEXTILE	-1-	2	L--4--	I-----
.886-034 ORDER FILLER LINSEED OIL	OILS / FATS	-2-	2	M--4--	I-----
.886-042 PACKAGING LABORER	ANY IND	-2-	2	H--4--	I-----
.886-054 PACKING-MACHINE BAG FEEDER	TOBACCO	-1-	2	L--4--	I-----
.886-058 PACKING-MACHINE CAN FEEDER	TOBACCO	-2-	2	L--4--	I-----
.886-062 POLY-PACKER AND HEAT SEALER	SURGICAL APP	-2-	1	L--4--	I---5--
.886-066 PRESS BUCKER	ANY IND	-1-	1	H--4--	B-----
.886-074 SHEET PRESSER	TEXTILE	-2-	1	L--4--	I-----
.886-082 SHUFFLEDOWNER	ROOF MATERIA	-2-	2	M--4--	I-----
.886-086 SNUFF DUMPLER	TOBACCO	-1-	2	M--4--	I---5-7
.886-098 TAKE-OFF WORKER	NAIL	-2-	2	H--4--	I-----
.886-102 TAKE-OFF-AND-FEED WORKER, SNUF	TOBACCO	-1-	1	S--4--	I-----
.886-110 TRAY FILLER	TOBACCO	-2-	2	L--4--	I-----
.886-114 WEASAND VARNISHER	TOBACCO	-2-	2	L--4--	I-----
.885-018 BLOCKER	TRIM / STAMP	-2-	2	M--4--	I-----
.885-022 BOTTLE PACKER	MALT LIQUORS	-2-	2	L--4--	I---56-
.885-026 BUNDLE TIER AND LABELER	PLAN MILL SA	-2-	2	M--4--	I---5--
.885-030 CAN STRIPER	CAN / PRESER	-2-	3	M--4--	I-----
.885-034 CANDLE WRAPPING-MACHINE OPERAT	CANDLE	-2-	2	L--4-6	I-----
.885-038 CARDER	ANY IND	-2P	2	L--4--	I-----
.885-046 CASE-LOADER OPERATOR	MALT LIQUORS	-3-	2	M--4--	I---5--
.885-070 COTTON-ROLL PACKER	SURGICAL APP	-2-	2	L--4--	I---5--
.885-074 CRIMPING-MACHINE OPERATOR	DISTILLED LI	-1-	2	L--4--	I-----
.885-078 FEED WEIGHER	CORN PROD	-2-	4	V--4--	I-----7
.885-090 HYDRAULIC-PRESS OPERATOR	TOBACCO	-2-	2	V--4--	I-----
.885-094 LABELING-MACHINE OPERATOR	PHONOGRAPH	-2P	2	L--4--	I-----
.885-098 LABORER RACK-ROOM	MALT LIQUORS	-3P	2	M-345-	I2-45--
.885-102 LACE-ROLLER OPERATOR	LEATHER PROD	-3P	2	M--4--	I-----
.885-106 PACKAGE SEALER	ANY IND	-2P	2	M-34--	I-----
.885-118 PACKING-MACHINE-PILOT CAN ROUT	TOBACCO	-2-	2	L--4--	I-----
.885-122 POUCH-MAKING-MACHINE OPERATOR	TOBACCO	-3-	3	L--4--	I-----
.885-126 ROLL FINISHER	PAPER / PULP	-2P	2	H--4-6	I-----
.885-134 STEAMER	MALT LIQUORS	-2-	2	L-34--	I-----
.885-138 TOBACCO-BUNDLING-MACHINE OPERA	TOBACCO	-2-	3	L--4--	I-----
.885-146 UTILITY WORKER, EXPORT DEPARTM	TOBACCO	-2-	3	H-34--	I-----
.885-150 WEASAND PACKER MACHINE	TOBACCO	-2P	2	M-----	I-----
.885-154 WEASAND WASHER	TOBACCO	-2-	2	L--4--	I-----

920. PACKAGING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-050 BLUEPRINT TRIMMER	ANY IND	-2P	2	L--4--	I-----
.887-086 LABEL CODER	MALT LIQUORS	-2P	2	L--4-6	I-----
.887-126 REPACK-ROOM WORKER	DISTILLED LI	-2P	2	L-34--	I-----
.887-142 SHIPPING PROCESSOR	AIRCRAFT MFG	-3P	2	M-34--	I-----
.886-050 PACKING FLOOR WORKER	TOBACCO	-2P	2	M--4--	I-----
.885-086 FRUIT-PACKING-GRADER OPERATOR	AGRIC WHOLE	-2-	2	L--4--	I-----
.587-010 SAMPLE CLERK, HANDKERCHIEF	GARMENT	-2-	2	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-066 SHOT BAGGER	AMMUNITION	-2-	2	M--4--	I-----
.782-010 ICICLE-MACHINE OPERATOR	DAIRY PROD	-3P	4	L--4--	I--45-7
.780-010 FILLING-MACHINE SET-UP MECHANIC	FOOD PREP N	-3-	3	H--4--	I-----
.687-014 CAN PATCHER	CAN / PRESER	-2-	2	L--4--	I-----7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-054 BOTTLING-LINE ATTENDANT	DISTILLED LI	-2P	1	S--4-6	I--5--
.887-094 LINE-OUT WORKER I	TOBACCO	-2P	2	M234-6	I--5--
.887-114 PACKER	TOBACCO	-2-	2	M-34-6	I-----
.887-134 SAMPLE MOUNTER	ANY IND	-1-	1	S--4--	I-----
.887-190 TUMBLER UNPACKER	TOBACCO	-1-	1	M--4--	I-----
.886-014 CAN TURNER	TOBACCO	-1-	2	S--4-6	I-----
.886-022 COTTON-BALL BAGGER	SURGICAL APP	-2-	2	L--4--	I--5--
.886-030 MASKING-MACHINE TENDER	PLASTICS MAT	-2-	2	M--4--	I-----
.886-038 PACKAGE TRAY-UP WORKER	TOBACCO	-2-	2	L--4--	I-----
.886-046 PACKER FEEDER	TOBACCO	-1-	1	L--4--	I-----
.886-070 PRESS FEEDER, BROOMCORN	AGRIC	-2-	2	L2-4-6	O-----7
.886-090 SNUFF-PACKING-MACHINE LID-FEED	TOBACCO	-1-	2	L--4--	I-----
.886-094 SPOOLER SEQUINS	FABRIC PLAST	-2P	2	L--4--	I-----
.886-106 TOBACCO PACKER	TOBACCO	-2-	2	M--4--	I-----
.885-010 BANDER-AND-CELLOPHANE MACHINE	TOBACCO	-2-	2	L--4-6	I-----
.885-042 CARTON-PACKAGING-MACHINE OPERA	TOBACCO	-2-	2	L-----	I-----
.885-050 CASE-PACKING-AND-SEALING-MACHI	TOBACCO	-2-	3	L--4--	I-----
.885-054 CIGAR BRANDER	TOBACCO	-2-	2	L--4-6	I-----
.885-058 CIGARETTE-BOXING-MACHINE OPERA	TOBACCO	-2-	3	L-----	I-----
.885-062 CIGARETTE-PACKING-MACHINE OPER	TOBACCO	-3-	3	M--4-6	I--5--
.885-082 FILLING-AND-CRIMPING-MACHINE T	AMMUNITION	-2-	2	L--4--	I-----
.885-110 PACKAGER MACHINE	ANY IND	-3-	2	M--4-6	I-----
.885-114 PACKER OPERATOR AUTOMATIC	TOBACCO	-2-	2	V--4-6	I--5--
.885-130 SNUFF-PACKING-MACHINE OPERATOR	TOBACCO	-2-	2	L--4--	I-----
.885-158 WRAPPER	WIREWORK	-2-	3	L--4--	I-----
.885-162 WRAPPING-AND-CUTTING-MACHINE O	FOOD PREP N	-2-	2	L--4-6	I-----
.884-010 BOXER	STONWORK	-2P	3	M--4-6	I-----
.884-014 CRATE LINER	FURN	-2P	2	M-----	I-----
.687-018 CAN RECONDITIONER	CAN / PRESER	-2-	2	M-345-	I-----
.687-026 LINEN-SUPPLY LOAD-BUILDER	LAUND	-2-	2	L--4--	I-----
.687-030 SNUFF-CONTAINER INSPECTOR	TOBACCO	-2-	3	L--4-6	I-----
.687-034 VACUUM TESTER CANS	CAN / PRESER	-1-	2	L--45-	I-----

920. PACKAGING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.687-010 CAN INSPECTOR

CAN / PRESER -2P 2 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.887-118 PACKER AGRICULTURAL PRODUCE

AGRIC CAN -3- 2 M-34-6 I--4---

.687-022 CARTON INSPECTOR

TOBACCO -2- 2 S--4-6 I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.885-058 TOBACCO-PACKING-MACHINE OPERAT

TOBACCO -3- 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-110 PACKAGER HAND

ANY IND -3P 2 M--4-6 I-----7

.885-014 BLISTER PACKER

PEN / PENCIL -2- 2 L--4-- I-----

.885-066 COTTON BALER

AGRIC -3- 4 V--4-- I---5--

.884-018 CRATER

ANY IND -3P 3 M--4-- I-----

.782-014 MASKING-MACHINE OPERATOR

PLASTICS MAT -3P 4 M--4-- I-----

.387-010 INSPECTOR PACKAGING MATERIALS

DRUG PREP -3- 4 L--4-6 I-----

921. HOISTING AND CONVEYING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 RIGGER HELPER

ANY IND -2- 3 H-34-- O----6-

.887-022 WINDLASS OPERATOR

ANY IND -1- 1 M--4-- B-----

.886-010 POND WORKER

PAPER / PULP -1P 2 M2-4-- O--4-6-

.886-014 SARATOGA FILLER

TOBACCO -1- 2 M--4-- I-----7

.885-010 BULL-CHAIN OPERATOR

SAWMILL -2- 2 L--4-- I---5--

.885-014 CAGE TENDER

CONST -1- 2 M-34-- I---56-

.885-030 COOKER LOADER

GREASE / TAL -2- 2 L--4-- I--4--7

.885-034 DRIER-TAKE-OFF TENDER

ELEC EQUIP -2P 2 L--4-- I-----

.885-038 ELECTRIC-FORK OPERATOR

AGRIC -2P 3 H234-6 O---56-

.885-046 GRAIN-ELEVATOR-MOTOR STARTER

GRAIN / FEED -2- 2 H--4-- I-----

.885-050 LEAF-STORAGE STACKER

TOBACCO -2- 2 M--4-- I-----

.385-054 PRODUCTION SUPPLY EQUIPMENT TE

FOOD PREP N -2P 4 M--4-- I-----

.883-018 CAPSTAN OPERATOR

CONST -3P 5 M--4-6 B---5--

.883-022 COAL-TOWER OPERATION

LIGHT HEAT -2P 5 L--4-6 I-----

.883-034 CONCRETE-TOWER-HOIST OPERATOR

CONST -2P 5 M--4-- B---5--

.883-042 CUPOLA HOIST OPERATOR

FOUND -3P 4 L--4-6 I-----

.883-046 DERRICK-BOAT OPERATOR

WATER TRANS -3P 5 L--4-6 O---5--

.883-054 ELECTRIC-MONORAIL-CRANE OPERAT

ANY IND -2P 4 L--4-6 I---5--

.883-058 ELEVATOR OPERATOR FREIGHT

ANY IND -2P 3 H-34-- I-----

.883-070 LOADER MALT-HOUSE

MALT LIQUORS -2P 3 M234-- I-----7

.883-078 LOG-YARD DERRICK OPERATOR

SAWMILL -2P 4 M--4-6 O-----

.883-086 SHOVEL-LOADER OPERATOR

LOGGING -2P 5 L2-456 O---567

.883-098 TOWER-WHIRLER-OPERATOR

SHIP / BOAT -2P 5 S--4-6 I-----

.883-102 TRACTOR-CRANE OPERATOR

ANY IND -2P 4 M--4-6 I-----

Packaging and Materials Handling

PHYS.2 WK COND
HRE SVP 123456 1234567

921. HOISTING AND CONVEYING (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.883-106 TRANSFER CONTROLLER
.782-010 GRAB OPERATOR
.782-014 TIPPLE OPERATOR

SAWMILL -2P 2 M--4-- I---5--
SUGAR -1P 4 M--4-- O-----
SAWMILL -2P 4 M--45- O---56-

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-082 SCRAPER-LOADER OPERATOR
.883-090 SKIP OPERATOR
.883-094 STATIC-TEST OPERATOR
.883-110 TRUCK-CRANE OPERATOR
.587-010 TRANSFORMER STOCK CLERK

MINING / QUA -3P 4 H234-- B---567
IRON / STEEL -3P 4 M--4-- O---5-7
ORDNANCE -3P 5 M--4-- B---56-
ANY IND -3P 5 M--4-6 B---5-7
LIGHT HEAT -3- 3 M--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 KILN DRAWER
.887-018 WHARF WORKER
.885-018 COAL-TRIMMER-MACHINE OPERATOR
.885-026 CONVEYOR TENDER
.883-010 BOOM-CONVEYOR OPERATOR
.883-014 CANTILEVER-CRANE OPERATOR
.883-026 COAL-TOWER OPERATOR
.883-050 ELECTRIC-BRIDGE-OR-GANTRY-CRAN
.883-062 HOISTING ENGINEER
.883-066 HOIST OPERATOR
.883-074 LOCOMOTIVE-CRANE OPERATOR
.782-018 WAYS OPERATOR

BRICK / TILE -3P 2 H234-- I-3---7
WATER TRANS -2P 3 M--4-- O-----
WATER TRANS -3P 4 L--4-- O-----
TOBACCO -2- 2 L--4-- I-----
MINING / QUA -3P 3 L--4-6 I---5-7
COKE PROD SH -3P 4 L2-456 I---567
WATER TREAT -3P 5 L--4-6 O-----
ANY IND -3P 5 L--4-6 B---5--
ANY IND -3P 4 M--456 B---56-
MINING / QUA -2P 4 M--456 B---56-
ANY IND -3P 5 M--456 B---567
SHIP / BOAT -2P 4 H--4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-042 GRAIN RECEIVER

CORN PROD -3- 2 L2-4-- I-----7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-022 CONVEYOR TENDER
.883-038 CONVEYOR OPERATOR

AMMUNITION -3P 3 M--4-- I-----
ANY IND -3P 5 H--4-- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.883-030 COKE LOADER

COKE PROD -3P 5 M23456 I---567

922. MATERIALS MOVING AND STORING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ASPHALT-PLANT WORKER
.887-014 CONVEYOR WORKER
.887-018 BIN FILLER
.887-022 BINDER AND WRAPPER PACKER
.887-026 BOARD LAYER

CONST -2- 2 V-34-- O---5-7
WATER TRANS -1- 2 L--4-6 O-----
TOBACCO -1- 1 L--4-- I-----
TOBACCO -2P 2 M--4-- I-----
RUBBER GOODS -1- 1 L--4-- I-----

922. MATERIALS MOVING AND STORING, N.E.C. (CONT.)

.887-030 BOAT-LOADER HELPER	WATER TRANS	-3P	2	M234--	O----	67
.887-034 BULL-GANG WORKER	TOBACCO	-2-	2	V--4--	I-----	
.887-042 CAR PINCHER	COKE PROD	-1P	1	H-34--	O-----	
.887-046 COAL BAGGER	RET TR	-2-	1	V-34--	B-----	
.887-050 ELECTRIC-HAND-TRANSPORTER OPER	AMMUNITION	-2P	2	H-34--	I-----	
.887-054 HELPER CLEANER	MACH MFG	-2-	1	V--4--	I---5--	
.887-058 ICER	WHOLE TR	-1-	1	H--4--	I-----	
.887-066 LABORER HEADING	CONST	-1-	1	H-34--	O----6-	
.887-082 LOADER HELPER	ANY IND	-2P	3	M234--	O----67	
.887-094 LUMBER HANDLER	WOODWORKING	-2P	2	M234--	B----6-	
.887-106 MOLD MOVER	SPORTS EQUIP	-1-	1	H-34--	I-3-567	
.887-110 PICKLER HELPER	SLAUGHT / ME	-1-	1	M-34--	I--4---	
.887-114 POWDER-FARM HELPER	AMMUNITION	-2P	2	M234--	B----6-	
.887-122 PULLER	PLAN MILL	-2-	2	M--4-6	I-----	
.887-126 PUMPER HELPER	SLAUGHT / ME	-1-	2	M-34--	I-----	
.887-138 TIMBER PACKER	SAWMILL	-1P	2	H--4--	O-----	
.887-146 WOOL SACKER	AGRIC	-2P	2	M--4--	I-----7	
.887-150 YARD LABORER	RET TR WHOLE	-2-	2	H234--	O-----	
.886-010 CAR-DUMPER-OPERATOR HELPER	MALT LIQUORS	-2-	2	M-34--	I-----	
.886-014 DUMPER	EXPLOSIVES	-2-	1	H--4--	B----6-	
.885-014 CONVEYOR TENDER	COKE PROD	-3P	3	L234-6	I---567	
.885-026 CHIP-BIN CONVEYOR TENDER	PAPER / PULP	-2P	3	M2-4--	B-----	
.885-034 FISH BAILER	FISH	-2-	2	M--4--	B--45--	
.883-014 COAL-EQUIPMENT OPERATOR	LIGHT HEAT	-3P	4	M--4--	B-----7	
.883-018 INDUSTRIAL-TRUCK OPERATOR	ANY IND	-2P	3	M--4--	B-----	
.883-026 POWER-BUGGY OPERATOR	ANY IND	-2P	3	H234--	B---56-	
.883-030 STRADDLE-TRUCK OPERATOR	ANY IND	-2P	3	L--4-6	B-----	
.782-010 CAR-DUMPER OPERATOR	MALT LIQUORS	-3P	4	L--4--	B-----	
.782-018 STACKER AND SORTER OPERATOR	SAWMILL	-2P	4	L--4--	O-----	

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-062 LABORATORY-SAMPLE CARRIER	ANY IND	-2P	2	L--4--	I-----	
.883-022 POWDER-FARM ATTENDANT	AMMUNITION	-3P	4	M234--	B----6-	

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.883-010 CHIP UNLOADER	PAPER / PULP	-3P	3	M234--	O-----	
------------------------	--------------	-----	---	--------	--------	--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-038 CAN FILLER	TOBACCO	-2-	1	M--4--	I-----	
.887-074 LAST PUTTER-AWAY	BOOT / SHOE	-2-	2	M--4--	I---5--	
.887-090 STEVEDORE II	WATER TRANS	-2P	2	V-34--	B-----	
.887-098 LUMBER-YARD WORKER	WOODWORKING	-2P	3	M234--	B----6-	
.887-102 MATERIAL HAULER	CONST	-2P	1	H-34--	O-----6	
.887-130 RETURNED-GOODS SORTER	TEXTILE	-1-	1	M-34--	I-----	
.887-134 SORTER	WOODWORKING	-2-	2	M--4-6	I-----	
.887-142 WEASAND PILER	TOBACCO	-1-	2	M-34--	I-----	
.885-018 BOAT LOADER	WATER TRANS	-2P	4	M--4-6	O-----	

Packaging and Materials Handling

PHYS.L WK COND
HRF SVP 123456 1234567

922. MATERIALS MOVING AND STORING, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-022 CEMENT LOADER AND SACKER
.885-030 DUMP OPERATOR
.885-038 FLUMER
.687-010 BOBBIN SORTER
.687-018 YARN SORTER
.487-010 SORTER OPERATOR

CEMENT -3P 2 H234-- 1----07
ANY IND -2P 3 L--4-6 B---5--
SUGAR -1- 3 L2-4-- 0--4---
GLASS MFG SY -2- 2 L-34-- 1-----
TEXTILE -2- 2 M--4-- 1-----
SAWMILL -2- 4 M--4-6 1---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-086 LOCKER-PLANT ATTENDANT
.887-118 PRIMING-MIXTURE CARRIER
.885-010 BARREL FILLER
.885-042 PIGMENT PUMPER

MOTOR TRANS -3- 2 M--4-6 12-----
AMMUNITION -2- 2 L--4-- 1----6-
VINOUS LIQUD -2- 3 H--4-- B-----
RUBBER RECLA -2- 4 M2-4-- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.782-014 FLOUR DISTRIBUTER

MACAPONI / R -3P 4 L2-4-- 1-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-070 LABORER STORES
.887-078 LOADER
.886-018 LOWERATOR OPERATOR
.687-014 YARD WORKER, USED BUILDING MAT

ANY IND -3P 2 M--4-- 1-----
ANY IND -3P 5 H234-- 0----87
LINOLEUM -2- 2 M--4-- 1-----
RET TR -3P 4 M-34-- B----6-

929. PACKAGING AND MATERIALS HANDLING, N.E.C

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-034 HOGSHEAD DUMPER
.887-036 ICE-BOX CHECKER
.887-042 LABORER HIGH-DENSITY PRESS
.887-062 PAPER LINER
.887-066 PAPER SPOOLER
.887-074 ROLL-COVERER BURLAP
.887-078 ROLLER-UP
.887-082 WOOL TIER
.886-010 BAND SALVAGER
.886-018 CIGARETTE SALVAGER
.886-022 CONVEYOR LOADER
.886-030 FEED-IN WORKER
.886-034 FILL-CHUTE OPERATOR
.886-038 LABELED-CONTAINER-DRIER FEEDER
.885-010 BALING-MACHINE OPERATOR
.885-014 BOX-BRANDING-MACHINE OPERATOR
.885-018 BUNDLER
.885-022 COMPRESS OPERATOR
.885-026 PRESSER
.885-030 TYING-MACHINE OPERATOR
.885-034 TYING-MACHINE OPERATOR

TOBACCO -1- 2 V--4-- 1---56-
WHOLE TR -2- 2 L----- 1-----
AGRIC -1- 2 L--4-- 1---5--
TOBACCO -1P 1 L--4-- 1-----
CONST -2P 2 M-34-- 0---5--
TEXTILE -1- 2 M-34-- 1-----
TEXTILE -2- 2 L--4-- 1-----
AGRIC -1- 2 M--4-- 1-----7
AGRIC -2P 1 L--4-- 1---5--
TOBACCO -2- 2 L-34-- 1-----
SLAUGHT / ME -2P 2 L--4-- 1-----
GRAIN / FEED -2- 2 H--4-- 1-----7
RUBBER GOODS -1- 2 V-34-- 1-----7
TOBACCO -1- 1 L--4-- 1-----
ANY IND -2- 2 H--4-- 1-----
ANY IND -1- 2 L--4-- 1-----
PRINT / PUB -1- 2 M--4-- 1-----
AGRIC -2- 4 H---6 1---5--
ASBESTOS PRO -1- 2 M--4-- 1-----
PAPER GOODS -2- 2 L--4-- 1-----
WOODWORKING -3P 2 H234-- 1-----6-

929. PACKAGING AND MATERIALS HANDLING, N.E.C. (CONT.)

.884-010 PACKER	ORDNANCE	-3P	5	M--4--	I----6-
.883-010 LOGGING-TRACTOR OPERATOR	FORESTRY LOG	-3P	5	L--4-6	O---56-
.883-014 MARSH-BUGGY OPERATOR	CONST	-3P	4	L--4--	O---5--
.883-018 MUSKEG OPERATOR	LOGGING	-3P	5	L--4-6	B-----
.883-022 PAN-SEED ROUSTABOUT	SUGAR	-3P	3	H--4--	I-----
.883-026 RUT CUTTER	LOGGING	-3P	5	L--4--	O-----
.883-030 SNOWMOBILE DRIVER	ANY IND	-3P	5	L--4-6	B-----
.883-034 SPRINKLER OPERATOR	LOGGING	-3P	5	M--4--	O-----
.883-038 TRACTOR OPERATOR	ANY IND	-3P	5	H23456	O---5--
.687-018 WRAPPER COUNTER	TOBACCO	-2-	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-018 CLOTH-BOLT BANDER	TEXTILE	-2-	2	M--4--	I-----
.887-026 DUMPER	ANY IND	-3P	2	H2-4--	B---567
.886-026 CRAYON-SORTING-MACHINE FEEDER	PEN / PENCIL	-2-	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 CHECK WEIGHER	SUGAR	-2-	2	M--4--	I-----
.886-042 LABORER BAKERY	BAKE PROD	-2P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CIGAR-PACKER HELPER	TOBACCO	-2-	1	M-----	I-----
.887-022 CUTTER BANANA ROOM	WHOLE TR	-2-	2	M--4--	I-----
.887-030 FLOOR WORKER	CHEW GUM	-2-	2	L--4--	I---5--
.887-070 RETURNED-CASE INSPECTOR	MALT LIQUORS	-2-	2	L--4-6	I-----
.886-014 CARTON NESTER	TOBACCO	-2-	2	L--4--	I-----
.688-010 CAN INSPECTOR	TOBACCO	-1-	2	L--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-050 MATERIAL HANDLER	ANY IND	-3P	3	V234--	B-34567
.883-042 YARD WORKER	AGRIC	-3P	4	M-----	O-----
.487-010 STOCY MIXER	FELT GOODS T	-2-	3	M-34-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-046 LABORER SALVAGE	ANY IND	-2P	2	H-34-6	I-----
.887-054 MUNITIONS HANDLER	AMMUNITION	-2-	2	H--4-6	B---6-
.887-058 NUT-AND-BOLT ASSEMBLER	NUT / BOLT	-2-	2	M--4--	I-----
.887-086 YARD LABORER	WHOLE TR	-3-	2	M-34--	B-----
.782-010 CONVEYOR-LINE OPERATOR AUTOMAT	ANY IND	-3P	5	H--4--	I-----
.687-010 PICKER BEAM PRESS OR CLICKER	RUBBER GOODS	-3-	3	L--4--	I---5--
.687-014 UPPER-LEATHER SORTER	BOOT / SHOE	-3-	4	L--4-6	I-----
.387-010 OPERATOR SCALES	PLASTICS MAT	-3P	5	L--4-6	I---6-

EXTRACTION OF MINERALS (930.-939.)

Occupations in this area are concerned with quarrying; extraction of minerals such as coal, ores, natural gas, and crude petroleum; and the crushing, screening, washing, floatation, and similar processes which take place at or near the extraction site.

The various occupations demand all eight combinations of cognitive capabilities. More than half make minimum cognitive demands and substantial numbers demand moderate language only and perceptual processing only. The predominant language demand is for verbal communication. Some occupations also require the recording of production information such as hole depth, results of safety inspections, and the nature of problems encountered. Maps and diagrams are sometimes used to record information. Perceptual processing demands derive from activities such as observing boring equipment to detect signs of binding; examining and feeling samples to classify soil type and moisture content; detecting cracks and other defects in pipes; estimating impurities; and evaluating the consistency of mixes. Mathematics demands derive from activities such as making measures related to boring and cutting operations, interpreting readings from gauges and instruments, and computing amounts and proportions of tamping and cement materials required for a given size and depth of bore hole.

About half of the occupations demand psychomotor skills for the operation of machinery and power tools. Mechanical skills can be an asset for adjustment and minor maintenance of machinery and equipment.

Mechanization and automation have tended to hold down growth in many of these occupations, but many new entry opportunities can be expected. Mining has had a high occupational safety and health risk. Opportunities for career progression are generally limited to skilled equipment operator and first line supervision.

PHYS.D WK COND
HRP SVF 123456 1234567

930. BORING, DRILLING, CUTTING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM
.887-010 BOTTOM-HOLE-PRESSURE-RECORDING	PETROL PRODU -2-	3 M-4-- O-----
.887-014 BREAKER	MINING / QUA -1-	2 H-4-- O-----
.887-022 POINT DRIVER	MINING / QUA -2P	2 V-4-- O-----
.884-010 CASER	PETROL PRODU -2P	4 H234-6 O---56-
.884-014 CEMENTER HELPER OIL WELL	PETROL PRODU -3P	5 H-34-- O---56-
.884-018 CLEAN-OUT-DRILLER HELPER	PETROL PRODU -3P	5 H-34-- O--456-
.884-022 ROTARY DERRICK OPERATOR HELPER	PETROL PRODU -3-	4 H234-6 O---56-
.884-030 JACKHAMMER OPERATOR	MINING / QUA -2P	2 H-34-- B---5--
.883-018 CONTINUOUS-MINING-MACHINE OPER	MINING / QUA -3P	5 M-34-- I---567
.883-026 HARVESTER OPERATOR	SALT PRODUCT -3P	4 L--4-- O-----
.883-030 ROOF BOLTER	MINING / QUA -3P	4 H-34-6 I---567
.883-034 SIDE-SHEARING-MACHINE OPERATOR	SALT PRODUCT -2P	5 H--4-- O-----
.782-018 CHURN-DRILL OPERATOR	MINING / QUA -3P	5 H-34-- O---5--
.782-034 DRILLER MACHINE	ANY IND -3P	5 H--4-6 O---56-
.782-046 PIPE TESTER	PETROL PRODU -2P	5 H2-4-- O---6-

930. BORING, DRILLING, CUTTING, AND RELATED WORK (CONT.)

Language	Mathematics	Perceptive Processing
MODERATE	MINIMUM	MINIMUM

.887-018 CORE SPLITTER	MINING / QUA -2-	1	L--4--	I-----
.884-042 ROTARY-DRILLER HELPER	PETROL PRODU -3P	4	H-34--	O---56-
.883-014 CLEAN-OUT DRILLER	PETROL PRODU -3P	5	H-34--	O---56-
.782-030 DRILLER JET PIERCING	MINING / QUA -3P	5	H--4-6	O---56-

Language	Mathematics	Perceptive Processing
MINIMUM	MODERATE	MINIMUM

.885-014 MUD-PLANT OPERATOR	PETROL PRODU -3P	4	H-34--	O---5--
.782-026 ROTARY DERRICK OPERATOR	PETROL PRODU -3P	5	H2-4-6	O---56-

Language	Mathematics	Perceptive Processing
MINIMUM	MINIMUM	MODERATE

.886-014 CUTTER-OPERATOR HELPER	MINING / QUA -2P	2	H-34--	I---567
.886-018 DRILLER HELPER	ANY IND -2P	2	H--4-6	O---56-
.885-010 MUD-CLEANING MACHINE OPERATOR	PETROL PRODU -2P	4	L--4--	O---5--
.884-046 WELL-DRILL-OPERATOR HELPER ROT	CONST -3P	4	V234--	O--4567
.883-010 CHANNELING-MACHINE RUNNER	MINING / QUA -3P	4	M--4--	O-----

Language	Mathematics	Perceptive Processing
MODERATE	MODERATE	MINIMUM

.886-010 CORE-DRILL-OPERATOR HELPER	ANY IND -2-	2	M--4--	B---56-
-------------------------------------	-------------	---	--------	---------

Language	Mathematics	Perceptive Processing
MINIMUM	MODERATE	MODERATE

.883-038 UNIVERSAL-CUTTING-MACHINE OPER	MINING / QUA -3P	5	M--4-6	I---567
.883-042 WELL PULLER	PETROL PRODU -3P	5	H-34--	O-----

Language	Mathematics	Perceptive Processing
MODERATE	MODERATE	MODERATE

.884-034 OIL-PIPE-INSPECTOR HELPER	PETROL PRODU -3P	4	H-34-6	O----6-
------------------------------------	------------------	---	--------	---------

931. BLASTING

Language	Mathematics	Perceptive Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 BLASTER AIRDOX	MINING / QUA -3P	4	M-345-	I---567
.781-010 SAMPLE-TAKER OPERATOR	PETROL PRODU -3P	5	M--4-6	B---56-

Language	Mathematics	Perceptive Processing
MINIMUM	MODERATE	MINIMUM

.884-018 GUN-PERFORATOR LOADER	PETROL PRODU -3P	5	V-34--	I--4-6-
--------------------------------	------------------	---	--------	---------

Language	Mathematics	Perceptive Processing
MODERATE	MODERATE	MODERATE

.884-014 DUMPER-BAILER OPERATOR	PETROL PRODU -3P	5	H234--	O---56-
---------------------------------	------------------	---	--------	---------

932. LOADING AND CONVEYING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOTTOMER
 .887-014 CHUTE LOADER
 .887-018 HEAD WORKER
 .887-022 LOADING-SHOVEL OILER
 .887-026 SCRAPER-LOADER OPERATOR HELPER
 .884-010 BRAKE HOLDER
 .883-010 CAR DROPPER
 .883-018 LOADING-MACHINE OPERATOR
 .883-026 SHUTTLE-CAR OPERATOR

MINING / QUA -2P 4 H--4-- B----67
 MINING / QUA -2P 1 H--4-- B----7
 MINING / QUA -2- 4 H--4-- B----67
 MINING / QUA -2P 3 M2-4-- O---5--
 MINING / QUA -2- 2 M-34-- I--4567
 ANY IND -2P 3 M-34-- O-----
 MINING / QUA -2P 3 M-34-- B-----
 MINING / QUA -3P 5 M--4-6 I---567
 MINING / QUA -2P 4 M--4-6 I---5-7

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.883-022 MECHANICAL-SHOVEL OPERATOR

MINING / QUA -3P 5 M--4-6 1---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-010 AERIAL-TRAM OPERATOR

MINING / QUA -2P 4 L--456 B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-014 HOIST OPERATOR

PETROL PRODU -3P 5 M234-- O---6-

933. CRUSHING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 CRUSHER SETTER

MINING / QUA -2P 3 M--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 COBBER

MINING / QUA -2- 2 M--4-- I-----

934. SCREENING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 FOOT WORKER
 .887-018 GRIZZLY WORKER
 .885-010 CONE OPERATOR
 .885-018 JIG RUNNER
 .885-022 SHAKER TENDER

SALT PRODUCT -2P 2 M--4-- I-----
 MINING / QUA -1- 3 H-34-- B--4567
 MINING / QUA -2P 3 L-34-6 I---5-7
 MINING / QUA -2P 3 M--4-- I---5-7
 MINING / QUA -2P 3 M-34-- I---5-7

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CLEANER
 .885-014 FLOATER
 .885-026 SPIRAL RUNNER

MINING / QUA -2- 2 L--4-6 I-----7
 MINING / QUA -2- 4 L--4-- O-----7
 MINING / QUA -2P 4 M--4-- I---5--

939. EXTRACTION OF MINERALS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 CAR CLEANER
.887-016 COMPANY LABORER
.887-022 LABORER
.887-026 LATRINE CLEANER
.887-034 ROCK-DUST SPRAYER
.887-038 SAMPLE WASHER
.887-042 SAND DRIER
.887-054 TIMBER FRAMER HELPER
.884-010 ACIDIZER HELPER
.884-014 FORMATION-FRACTURING-OPERATOR
.884-026 OBSERVER HELPER SEISMIC PROSPE
.884-030 SHOREHAND, DREDGE OR BARGE
.782-022 PNEUMATIC-JACK OPERATOR

MINING / QUA -2- 1 M234-- B-----7
MINING / QUA -2- 1 V-34-- B-----7
PETROL PRODU -2P 1 V-34-- O--456-
MINING / QUA -2- 2 M23--- B2-45-7
MINING / QUA -2P 3 M-34-- I-----7
PETROL PRODU -1- 2 L--4-- I--4---
MINING / QUA -1- 2 M-34-- I-----
MINING / QUA -2P 3 M-34-- I--4-6-
PETROL PRODU -3P 5 H-345- O---56-
PETROL PRODU -3P 4 H-345- O--456-
PETROL PRODU -3P 4 M-34-6 O-----
MINING / QUA -2- 4 H234-- O--4---
PETROL PRODU -3P 5 H--4-- O--4---

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 CAGER
.887-050 SPRINKLER
.368-010 DISPATCHER OIL WELL SERVICES

MINING / QUA H3- 4 H-345- B---567
MINING / QUA -2- 1 M-34-- I--4---
PETROL PRODU H3- 5 S--45- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.883-010 OBSERVER HELPER GRAVITY PROSPE

PETROL PRODU -3P 3 M-34-- O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-030 QUARRY WORKER
.887-046 SAND FILLER
.884-022 MINER PLACER
.782-010 DRY-PLACER-MACHINE OPERATOR
.387-014 DOWSER

MINING / QUA -3P 2 H234-- O-----
MINING / QUA -2P 2 M--4-- B--4---
MINING / QUA -3P 4 H234-- O--4---
MINING / QUA -3- 4 M--4-- O---5--
BUS SER -3- 5 L--4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-018 SAFETY-LAMP KEEPER
.782-030 SECTION-PLOTTER OPERATOR

MINING / QUA -3- 4 L--4-6 I-----
PETROL PRODU -3P 5 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-018 PANELBOARD OPERATOR
.387-010 COAL INSPECTOR

MINING / QUA -3P 5 L--456 I---5-7
MINING / QUA -3- 5 L--4-6 B-----7

LOGGING (940.-949.)

Occupations in this area are concerned with cutting trees in forest areas and the removal of logs to storage or transportation areas.

Over half of the occupations in this area make only minimum cognitive demands and a considerable proportion of the rest demand only perceptual processing. Perceptual processing demands derive from activities such as classifying tree species and grading logs according to factors such as shape, rot, knots, and splitting. Language demands derive largely from verbal communications and interpretation of specifications relating tree types, diameter, length, and similar characteristics. Mathematics demands derive from measurement of log sizes and the computation of marketable content value.

The use of hand and power tools and the operation of log skidding, loading, and processing equipment demands considerable psychomotor skill. Mechanical skills can be an asset for minor maintenance of equipment.

Only 44 occupational titles are listed in this handbook for this area and the numbers of job opportunities per title are not large. Opportunities for career progression tend to be limited to skilled equipment operation. Work is likely to be seasonal in parts of the country having severe winters.

PHYS.D WK COND
HRP SVP 123456 1234567

940. TIMBER CUTTING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.884-010 BUCKER	LOGGING	-2P	5	H234--	O---56-
.884-014 CORDWOOD CUTTER	LOGGING	-2P	5	H234-6	O---56-
.687-010 BARK FITTER	LOGGING	-2P	3	M--4--	O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 CEDAR-POST CUTTER	AGRIC	-2P	2	M-4--	O-----
.884-018 FALLER	LOGGING	-3P	5	H234-6	O---56-
.884-022 LIMBER	LOGGING	-1.	2	H234--	O---56-
.884-026 LOGGER ALL-ROUND	LOGGING	-2P	5	H234-6	O---56-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-018 POST CUTTER	AGRIC	-2P	2	H-34--	O-----
.884-034 RIVER	LOGGING SAWM	-3P	3	H234-6	O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-014 PIECE MAKER	LOGGING	-3P	2	H--4--	O-----
----------------------	---------	-----	---	--------	--------

941. LOG INSPECTING, GRADING, SCALING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 LOG BRANDER

LOGGING -3P 2 M234-- O--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.687-014 TIE INSPECTOR

SAWMILL -3- 2 H--4-6 O-----

.684-010 LOG SORTER

LOGGING -3P 4 H234-- O--4-6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.488-010 LOG SCALER

LOGGING PAPE -3- 3 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.687-010 PICKER

EXCELSIOR -3- 2 H--4-- O-----

.487-010 SCALER WOOD

PAPER / PULP -3- 4 M2-4-6 O-----

942. LOG SORTING, GATHERING, STORING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOLT LOADER

SAWMILL -1- 2 H-34-- I-----

.887-018 CHOKE SETTER

LOGGING -2- 2 V234-- O---56-

.887-022 DECK WORKER

LOGGING -2- 2 M--4-- O-----

.887-026 JAMMER

LOGGING -1- 3 V234-- O---56-

.887-034 LOG LOADER

LOGGING -2- 2 V--4-- O---6-

.887-038 LOG-HAUL OPERATOR

SAWMILL -2- 2 H2-4-- O---6-

.887-042 PEELER

LOGGING SAWM -2P 2 H-34-- O--4---

.887-046 PLUG SETTER

LOGGING -1- 2 M--4-- O-----

.887-050 SIDE-LINER

LOGGING -1- 2 M--4-- O-----

.887-054 SLED TENDER

LOGGING -2- 2 M--4-- O-----

.884-014 LOG DRIVER

LOGGING -2P 4 V234-6 O--456-

.884-018 RAFTER

LOGGING -2P 4 H234-- O--4-6-

.884-022 RIGGER SECOND

LOGGING -2P 5 M--4-6 O---6-

.883-010 LOG-LOADER OPERATOR

LOGGING -2P 3 H--4-6 O-----

.883-014 WINCH-TRUCK OPERATOR

LOGGING -2P 3 M--4-6 O-----

.687-010 PULP PILER

LOGGING -1P 2 H--4-- O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-014 CHASER

LOGGING -3P 3 V234-6 O---56-

Logging

PHYS. & WK. COND
HRP SVP 123456 1234567

949. LOGGING, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BUSH MONKEY
.887-014 GATE TENDER
.887-022 RIGGER THIRD
.887-026 ROAD MAKER
.887-030 SWAMPER
.883-010 THIRD LOADER

LOGGING -1- 2 M--4-- O-----
LOGGING -2- 2 M2-4-- O-----
LOGGING -2- 2 M--4-- O-----
LOGGING -2P 2 M--4-- O-----
LOGGING -2P 2 V234-- O---5-7
LOGGING -2P 3 H234-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.868-010 WHISTLE PUNK

LOGGING -2- 2 L--456 O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-018 HEWER
.886-010 STICKER PULLER

LOGGING -2P 2 M--4-- B-----
SAWMILL -2P 2 M--4-- I---6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 SECOND LOADER

LOGGING -2- 5 H234-- O---56-

PRODUCTION AND DISTRIBUTION OF UTILITIES (950.-959.)

Occupations in this area are concerned with the generation, transmission, and distribution of power and water to industrial and residential users and the collection, treatment, and/or disposal of sewage and refuse.

About one-quarter of the occupations in this area make minimum cognitive demands; another quarter demand a combination of language and mathematics; and a somewhat lesser proportion demand all three types. Language demands derive from activities such as comparing process status information with specifications, recording a variety of operating data, and use of technical concepts in verbal communication. Mathematical demands derive largely from interpreting the large quantities of important numerical data about processes, but computational demands are usually not great. Perceptual processing demands usually derive from detecting defects in processes, materials, or equipment.

Rapid and accurate response to process or equipment problems can be critical. Mechanical, electrical, chemical, or biological knowledge can be an asset depending upon the type of process involved.

There are only 57 occupational titles listed in this handbook for this area, but some of the titles have large numbers of opportunities. Career progression prospects are relatively good.

PHYS.D WK COND
HRP SVP 123456 1234567

950. STATIONARY ENGINEERING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-010 AIR-COMPRESSOR OPERATOR

ANY IND -2P 3 M--4-- B---5--

.885-014 BOILER-ROOM HELPER

ANY IND -3- 3 L--4-- I---5--

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-018 HUMIDIFIER ATTENDANT

TEXTILE TOBA -3- 3 L2-4-- I---567

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-022 VENTILATION EQUIPMENT TENDER

ANY IND -3P 3 L--4-6 I---5--

951. FIRING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 FUEL-HOUSE TENDER

SAWMILL -1- 2 L2-4-- I----67

.885-014 FIRER, HIGH PRESSURE

ANY IND -2P 4 M234-6 B-3456-

.885-018 FIRER, LOW PRESSURE

ANY IND -2P 4 M234-6 I-3456-

Production and Distribution of Utilities

PHYS.D WK COND
HRP SVP 123456 1234567

951. FIRING AND RELATED WORK (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-022 FIRER, MARINE WATER TRANS -2P 4 M-34-- I--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-010 COAL-SUBSTATION ATTENDANT ANY IND -2- 4 M--4-- I-----

952. GENERATION, TRANSMISSION, AND DISTRIBUTION OF ELECTRIC POWER

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 FLOOR HELPER, DISTRIBUTION SUB LIGHT HEAT -2- 3 M--4-- B-----

.887-018 HYDROELECTRIC PLANT MAINTAINER LIGHT HEAT -2P 3 M234-- B----6-

.887-022 LABORER ELECTRIC POWER AND TRA CONST LIGHT -2- 2 M-34-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 COAL SAMPLER RET TR -2- 2 L--4-- O-----7

.887-026 STREET-LIGHT CLEANER LIGHT HEAT -2- 2 L2-4-- O----6-

.884-014 TROUBLE SHOOTER LIGHT HEAT -3- 5 L2-4-- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-010 CABLE MAINTAINER LIGHT HEAT -3- 3 L234-- O----6-

.781-010 SWITCH INSPECTOR LIGHT HEAT -3P 5 M2-4-6 O----6-

.588-010 TURBINE ATTENDANT LIGHT HEAT -3- 4 L--4-6 I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-010 LABORER POWERHOUSE LIGHT HEAT -3P 3 M234-- B---567

.782-010 AUXILIARY-EQUIPMENT OPERATOR LIGHT HEAT -3P 5 M234-- I-----

.388-010 FIELD RECORDER LIGHT HEAT -3- 4 L--4-- O-----

.387-014 POWERHOUSE RUNNER LIGHT HEAT -3- 5 L--4-6 I-----

953. PRODUCTION AND DISTRIBUTION OF GAS

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.886-010 LABORER GAS PLANT LIGHT HEAT -2- 2 M234-- B-34567

.884-010 GAS FITTER PRESSURE LIGHT HEAT -2P 3 M-34-- O-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 SHUT-OFF-VALVE OPERATOR LIGHT HEAT -2P 3 L--4-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-010 DRIP PUMPER LIGHT HEAT -2P 3 L--4-- B-----

953. PRODUCTION AND DISTRIBUTION OF GAS (CONT.)

.782-010 FUEL ATTENDANT ANY IND -2P 5 L--4-- I-----
.782-018 GAS-PUMPING-STATION OPERATOR LIGHT HEAT -3P 5 L--4-6 B-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.387-018 GAS-METER CHECKER LIGHT HEAT -3- 3 L----6 B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-018 GAS-METER INSTALLER APPRENTICE LIGHT HEAT H3- 3 M-34-- B-----
.782-014 GAS OPERATOR PRODUCER ANY IND -2P 4 I--4-- I-----
.684-010 GAS QUALITY CONTROLLER LIGHT HEAT H3P 4 L2-456 I---67
.387-010 CYLINDER INSPECTOR-AND-TESTER COMP / LIQUE -3P 4 H-34-- I-----
.387-022 HOUSE-PIPING INSPECTOR LIGHT HEAT H3P 5 L-34-6 B-----
.387-026 UTILITY INSPECTOR LIGHT HEAT -3- 5 L-34-6 B-----

954. FILTRATION, PURIFICATION, AND DISTRIBUTION OF WATER

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.885-014 RIVER-PUMP ATTENDANT WATERWORKS -2- 2 M-34-- B--4---
.884-014 WATER-METER INSTALLER WATERWORKS -3- 4 M-34-6 B--4---

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-010 FILTER-BED PLACER CONST -2- 3 M234-- O-----
.887-014 WATER-FILTER CLEANER WATERWORKS -2- 2 H--4-- B--4---

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.885-010 BASIN OPERATOR WATERWORKS -3- 4 M2345- O--4-6-
.884-010 SERVICE REPRESENTATIVE WATERWORKS -3- 3 M-34-- B--4---
.782-010 DITCH RIDER WATERWORKS H3P 4 M-34-- O--4---
.782-018 SEWAGE-PLANT OPERATOR ANY IND -3- 5 L234-- B----6-
.368-010 WATER-SERVICE DISPATCHER WATERWORKS H3- 4 L---5- I-----

955. REFUSE AND SEWAGE DISPOSAL

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 SNOW SHOVELER GOV SER -2- 1 H-34-- O-----
.887-018 STREET CLEANER GOV SER -1- 1 L-34-- O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-010 SEWAGE- DISPOSAL WORKER SANITARY SER -3- 2 H-34-6 O-34--7
.887-022 UTILITY CLEANER GOV SER -2P 1 M--4-6 I-----7

Production and Distribution of Utilities

PHYS.D WK-COND
HRP SVP 123456 1234567

955. REFUSE AND SEWAGE DISPOSAL (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.883-010 WASTE DISPOSER ANY IND -3P 5 H-34-6 B----67
.782-010 CLARIFYING-PLANT OPERATOR TEXTILE -3P 4 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-010 SEWAGE-PLANT ATTENDANT SANITARY SER -3P 4 M2345- O--4-67
.884-010 INCINERATOR-PLANT ATTENDANT SANITARY SER -3- 4 H-34-- B-3---7

957. TRANSMISSION OF COMMUNICATIONS, N.E.C.

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.368-010 ASSIGNMENT CLERK TEL / TEL -3- 3 S--45- I-----

959. PRODUCTION AND DISTRIBUTION OF UTILITIES, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 TREE TRIMMER, LINE CLEARANCE I LIGHT HEAT -2P 2 M-34-- O----6-
.884-014 TREE TRIMMER LIGHT HEAT -2P 5 H2-4-- O----6-

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 POLE FRAMER LIGHT HEAT -3P 3 V234-- O-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.387-014 ELECTRIC POWERLINE EXAMINER LIGHT HEAT -3P 5 M2-4-6 O-----

**AMUSEMENT, RECREATION, AND
MOTION PICTURE WORK (961.-969.)**

Occupations in this area are very diverse. A majority of the occupations are in the motion picture industry. Many of the jobs require machine operation of some sort, but some are strictly laboring type activities.

About one-third of the jobs make no special cognitive demands. The remainder are about equally divided among the remaining cognitive demands configurations. Language demands are usually associated with communicating and interpreting verbal instructions. Mathematics demands are associated with such things as estimating distances or dimensions for placing or moving objects or equipment. Perceptual processing requirements are usually associated with visual and auditory inspection and with using these inputs as cues for proceeding to a different stage of performance.

About one-half of the jobs have a requirement for psychomotor skill, usually for finger dexterity and eye-hand coordination in the manipulation of film, tape, etc., or in the operation of fine-scale equipment. Only a few of the jobs require human relations skills and these are usually coupled with a requirement for an attractive and distinct appearance. Certain selected jobs make demands for moderate levels of strength and stamina.

Opportunities in this area are exceedingly limited and competition for the more attractive jobs is especially keen. Career progression opportunities are also limited.

PHYS.D WK COND
HRP SVP 123456 1234567

961. MODELING AND RELATED WORKS, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.868-014 MODEL ARTISTS

ANY IND H2P 2 L----- I-----

.868-022 STAND-IN

MOTION PIC H2- 1 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.868-018 MODEL PHOTOGRAPHERS

ANY IND H3P 4 L--456 B-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.868-010 DOUBLE

AMUSE / REC H3P 3 L234-- B-----

962. MOTION PICTURE PRODUCTION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 FILM LOADER
.887-014 PROPERTY HANDLER
.887-034 SWING-GANG WORKER

MOTION PIC -1- 2 H--4-- I-----
MOTION PIC R -2- 2 H-34-- I-----
MOTION PIC -2- 2 H-34-- B-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-018 PROPERTY HANDLER
.884-022 GREENS PLANTER

MOTION PIC -2- 4 L--4-- B-----6-
MOTION PIC -2- 5 M-34-- B-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.887-026 STAGE HAND
.885-010 DUBBING-MACHINE OPERATOR
.884-030 MOTOR-POWER CONNECTOR

MOTION PIC -2- 2 M--4-- I-----
MOTION PIC -3P 4 M--4-- I-----
MOTION PIC -2- 5 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.887-022 RIGGER

MOTION PIC H -3P 2 H234-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-018 FOREIGN-TITLE BREAKER

MOTION PIC -2- 4 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-030 STAND-BY GRIP
.884-014 FILM SPlicer

MOTION PIC -3- 4 L--4-- I-----
MOTION PIC -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-014 FILM INSPECTOR
.884-026 MICROPHONE-BOOM OPERATOR

MOTION PIC -3P 4 L--4-- I-----
MOTION PIC -3P 5 L--4-- I-----

963. RADIO AND TELEVISION PRODUCTION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 DOLLY PUSHER

RADIO / TV B -1- 2 M--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.382-010 TELEPROMPTER OPERATOR

RADIO / TV B -2P 5 L--4-- I-----

964. THEATRICAL AND RELATED ENTERTAINMENT PRODUCTION, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 STAGE CLEARER

AMUSE / REC -1- 2 M-34-- 7-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-010 FLYER

AMUSE / REC -2P 5 L--45- I----6-

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.884-014 GRIP

AMUSE / REC -2P 5 H--4-- I-----

969. MISCELLANEOUS AMUSEMENT, RECREATION, AND MOTION PICTURE WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 CIRCUS LABORER

AMUSE / REC -2- 2 M-34-- I-----

.887-014 ICE MAKER, SKATING RINK

AMUSE / REC -2P 2 M2-4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.688-010 FILM VIEWER

MOTION PIC -3- 4 S----6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.687-010 FILM INSPECTOR

MOTION PIC -3P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-010 FIREWORKS DISPLAY SPECIALIST

FIREWORKS -3P 2 M--4-- O-----

.387-010 CUSTODIAN ATHLETIC EQUIPMENT

AMUSE / REC H3P 5 L--45- I-----

GRAPHIC ART WORK (970.-979.)

Occupations in this area are concerned with illustrating, hand composition, reproduction of photographs, various means of producing standard type styles, bookbinding, and similar work such as silk screening.

The various occupations demand each of the eight combinations of cognitive capabilities. About one-quarter of the occupations make minimum cognitive demands, another quarter demand only perceptual processing, and an appreciable proportion of the remainder demand all three types. Perceptual processing demands derive from making aesthetic judgments necessary to achieve desired visual effects; mixing pigments to give desired color and shade; coordinating colors; composing elements within a picture; and creating a dramatic effect to draw attention. Language demands derive largely from the need to understand the needs and objectives of clients for the graphic art work. Mathematical demands derive from activities such as measuring for layouts, mixing solutions, calculating exposures, computing reductions and enlargements, and computing charges.

Dexterous use of the hands is required for handling tools and instruments, free-hand lettering and drawing, retouching, precision pasting, cutting, and aligning negatives.

There are relatively numerous opportunities, but it is a popular field and competition is keen. Free-lance work is possible, but the failure rate is high.

PHYS.D WK COND
HRP SVP 123456 1234567

970. ART WORK, BRUSH, SPRAY, OR PEN

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 AIRBRUSH OPERATOR
.781-010 SPOTTER PHOTOGRAPHIC

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.884-018 PAINTER AIRBRUSH

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.884-014 COLORER
.081-010 SIGN WRITER HAND

PRINT / PUB -2P 3 L--4-6 I-----7
ANY IND -3P 5 S--4-6 I-----

ANY IND -3P 5 L--4-6 I-----

PRINT / PUB -3P 3 S--4-6 I-----
ANY IND -3P 5 S--4-6 I-----

971. PHOTOENGRAVING

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 ETCHER HELPER HAND

PRINT / PUB -3P 2 V-34-- I-----

971. PHOTOENGRAVING (CONT.)

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-010 STAGER

PRINT / PUB -2P 4 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.885-014 PRINTING-CHASE OPERATOR

ELECTRONICS -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.684-010 BLOCKER

PRINT / PUB -3P 4 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.885-010 ROLLER-PRINT TENDER

PRINT / PUB -3P 3 V-34-6 I-----

972. LITHOGRAPHY AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MODERATE

.887-010 PLATE SETTER

PRINT / PUB -2- 2 S--4-- I-----

973. HAND COMPOSITION, TYPESETTING, AND RELATED WORK

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.388-010 TYPOGRAPHER-PROOFER

PRINT / PUB -3- 5 S----- I-----

976. DARKROOM WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-014 FILM NUMBERER

ANY IND -2P 3 L--4-- I-----

.887-022 PRINT WASHER

ANY IND -2P 3 L--4-- I--4--

.887-026 TRANSFERRER NUMBER

MOTION PIC -2- 2 L--4-- I-----

.885-014 DEVELOPING-MACHINE OPERATOR

MOTION PIC -2P 4 M--4-- I-----

.885-022 MOUNTER COLOR FILM

ANY IND -2P 2 L--4-6 I-----

.885-026 PACO-MACHINE OPEATOR

ANY IND -2P 4 L--4-- I--4--

.884-042 SPLICER

ANY IND -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.885-030 PRINT DEVELOPER MACHINE

ANY IND -3P 3 L--4-- I-----

.782-022 MULTIPLE-PHOTOGRAPHIC-PRINTER

ANY IND -3P 5 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MODERATE	MINIMUM

.782-018 FILM PRINTER

MOTION PIC -2P 5 L--4-- I-----

976. DARKROOM WORK, N.E.C. (CONT.)

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.885-034 X-RAY-DEVELOPING-MACHINE OPERA	MEDICAL SER	-2-	2	L--4--	I-----
.884-010 CARBON PRINTER	PRINT / PUB	-2P	5	L--4--	I-----
.884-022 FILM CUTTER	ANY IND	-2P	2	L--4--	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 FILM LOADER	ANY IND	-2P	3	L--4--	I-----
.886-010 PHOTOGRAPH FINISHER	ANY IND	-3P	2	L--4--	I-----
.885-018 FILM-DRYING-MACHINE OPERATOR	MOTION PIC	-3P	4	M--4--	I-----
.884-038 SCREEN PHOTOGRAPHER	WALLPAPER	-3P	3	L-34--	I--4---
.588-010 FILM-REPLACEMENT ORDERER	MOTION PIC	-2-	4	S--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-026 MOUNTER HAND	BUS SER	-3P	2	S--4--	I-----
.884-030 NEGATIVE CUTTER	MOTION PIC	-2P	5	L--4--	I-----
.884-034 NEGATIVE-CUTTER-AND-SPOTTER	ANY IND	-3P	3	S--4-6	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.887-018 PHOTOGRAPHER HELPER	ANY IND	-3-	3	M--4--	I--4--7
.885-010 DEVELOPER COLOR PHOTOGRAPHY	BUS SER	-3P	4	L--4--	I-----
.782-026 RECTIFICATION PRINTER	ANY IND	-3P	4	L--4-6	I-----
.687-010 PHOTO CHECKER AND ASSEMBLER	ANY IND	-3-	4	L--4-6	I-----

977. BOOKBINDING AND RELATED WORK

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.887-010 BOOKMAKER MAP	PRINT / PUB	-2P	2	L--4--	I-----
.884-026 COVERER LOOSELEAF BINDER	PRINT / PUB	-2P	4	L--4--	I-----
.884-034 PRESSER	PRINT / PUB	-2P	4	L--4--	I-----
.884-038 STITCHER HAND	PRINT / PUB	-3P	4	L--4-6	I-----
.782-010 BOOK-SEWING-MACHINE OPERATOR	PRINT / PUB	-2P	4	L--4-6	I---5--

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.884-018 BOOKBINDER APPRENTICE	PRINT / PUB	-3P	3	L--4-6	I-----
--------------------------------	-------------	-----	---	--------	--------

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 BOOK REPAIRER	ANY IND	-2P	3	L--4--	I-----
.884-022 CASER	PRINT / PUB	-2P	4	L--4--	I-----
.884-030 INLAYER	PRINT / PUB	-2P	4	S-----	I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.885-010 CASE-MAKING-MACHINE OPERATOR	PRINT / PUB	-2P	4	L--4--	I-----
.884-042 TIPPER	PRINT / PUB	-3P	3	L--4-6	I-----

979. GRAPHIC ART WORK, N.E.C.

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MINIMUM

.886-010 PRINT-SHOP HELPER
.884-038 SILK-SCREEN PRINTER
.782-038 ROUTER
.781-018 SKETCH MAKER

PRINT / PUB -3P 2 M--4-- I---5--
ANY IND -2P 5 L--4-6 I-----
PRINT / PUB -3P 5 L--4-- I-----
ANY IND -2P 4 L--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MINIMUM

.887-014 PHOTOSTATIC-PRINT CUTTER

ANY IND -2P 2 L--4-- I-----

Language	Mathematics	Perceptual Processing
MINIMUM	MINIMUM	MODERATE

.884-010 ENGRAVER
.884-018 GOLD-LEAF STAMPER
.884-022 IMPRESSION PRINTER
.884-026 MAP-AND-CHART MOUNTER
.884-030 SCREEN PRINTER
.884-034 SILK-SCREEN MACHINE OPERATOR
.884-042 WALLPAPER PRINTER
.782-030 PROOFING-MACHINE OPERATOR

PRINT / PUB -2P 3 S--4-- I-----
ANY IND -3P 3 L--4-6 I-----
PRINT / PUB -3P 3 V--4-6 I-----
PRINT / PUB -3P 5 L--4-- I-----
TEXTILE -2P 3 L--4-6 I-----
POTTERY / PO -3P 5 L--4-6 I-----
WALLPAPER -3P 5 L--4-6 I-----
PRINT / PUB -3P 4 M--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MINIMUM

.887-010 PHOTOLITH OPERATOR
.782-026 PANTOGRAPHER
.781-010 ENGRAVER

ANY IND -3P 3 L--4-- I-----
PRINT / PUB -3P 4 L--4-6 I-----
PRINT / PUB -3P 5 L--4-- I-----

Language	Mathematics	Perceptual Processing
MODERATE	MINIMUM	MODERATE

.884-014 GLOBE MOUNTER
.687-010 EXAMINER
.387-010 PRINT INSPECTOR

PRINT / PUB -2P 3 L--4-6 I-----
PRINT / PUB -2- 4 S----- I-----
BUS SER -3- 5 S--4-6 I-----

Language	Mathematics	Perceptual Processing
MODERATE	MODERATE	MODERATE

.782-014 BLUEPRINTING-MACHINE OPERATOR
.382-010 PHOTOSTAT OPERATOR

ANY IND -3P 5 L--4-- I-----
ANY IND -3P 5 L--4-6 I--4---